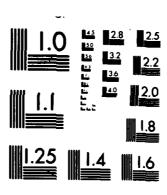
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87700 NETED Reference Manual

# **DAVID W. TAYLOR NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER**



Bethesda, Maryland 20084

**B7700 NETED REFERENCE MANUAL** 

David V. Sommer Edwin L. Zivi Jr.

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Computation, Mathematics and Logistics Department Departmental Report



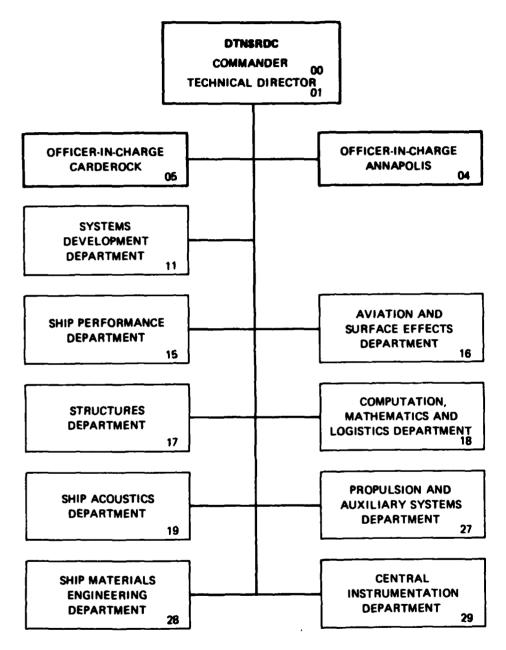
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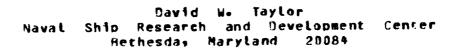
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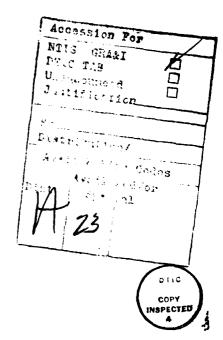
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87700 NETED Reference Manual

by David V. Sommer Edwin L. Zivi Jr.



Computation, Mathematics and Logistics Department
Departmental Report

November 1982

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Appendix A: Executing NETFD A-1

Appendix B: NETED messages B-1



COC 6000 NETED was acquired from Ed Fourt of Lawrence Berkeley Labs, implemented by the Construction Engineering Research Laboratory (CERL), Computer Services Branch, and is maintained by DINSRDC. COC NETED is written in Fortran IV Extended, version 4, and Compass (assembly language). It is noticeably faster and less expensive than the COC oditor and has gained great popularity at DINSROC.

In 1979, after the \$7700 was installed at DTNSRDC, there was a need for a pointer-oriented editor since the CANDE editor required sequence numbers. To meet this need, and to provide a common editor, CDC NETED was re-written in Algol for the \$7700. As the power and ease of writing in Algol became apparent, new commands and capabilities were added and \$7700 NETED now has some 115 commands, file backup, system and NETED fault recovery, and many other features. In implementing the CDC NETED commands on the \$7700, the \$\infty\$ and \$\infty\$ prompting and the \*\*\* toggle controlling it, and the NEPOS toggle were eliminated. Because a line starting with a question mark, \*?\*, is considered a CAND= control command, the \*?\* option on the C, RC and UC commands was moved to the end of the command with the other options. Otherwise, all CDC NETED commands are available and work the same way on the \$7700 NETED.



#### \*\*\* All Those NETED Commands! \*\*\*

Pon't let the large number of NETED commands scare you! After you have become familiar with the basic commands, then try a few more. Eventually, you will probably settle on a group which will meet most of your editing needs.

A lot of commands have similar functions. For instance, consider the search commands: there are four types (the search string must begin in column 1 (F), in any column (L), in a specified column or column range (both equal (S) and not equal (XS) tests). For each of these 4, the search may be forward or backward (the next letter is B: FB, LB, SB, XSB). Each of these 8 will search to the next line which meets the test. By adding A to any of the eight, all lines meeting the test may be listed. Thus, we have 16 search commands: F/FA/FB/FBA, L/LA/LB/LBA, S/SA/SB/SBA, XS/XSA/XSB/XSBA.

Similarly, there are four basic ways to write the workfile to disk:

- 1) from top-of-file to the current line (WTOP, WDTOP);
- 2) the entire workfile (W, SAVE);
- 3) from the current line for a number of lines (WL, WDL);
- 4) from the current line to a line meeting a string test (including the line: WINS, WDINS; not including the line: WTOS, WDTOS).

A 'D' as the second character of the write command means the lines are deleted from the workfile after being written to disk.

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The NOTED commands, which may be entered in upper or lower case. are grouped below in 5 levels:

Level & -- basic commands

level 1 -- starting intermediate commands

level 2 -- intermediate commands

level 1 -- advanced commands

tevel 4 -- specialized commands

#### Level 3 (basic);

AR/A Add (append) on ?ight H go to Bottom of file Thange one string to another C CANDE suspend NETED to go back to CANDE nelete line(s) SDIT another file EDIT Find forward (column 1) **C** F.B Find Backward (column 1) H/HELP list the commands at the terminal Insert a line 1 Locate forward (any column) L Locate Backward (any column) LB N go N lines forward or backward D Print line(s) QUIT QUIT NETED, do not save edit file R Replace a line RA print Range of lines around current line RC Repeat Last Change SAVE SAVE edit file and quit NETED Set TAB character and tab columns STAR go to Top of file r Write the entire edit file W type a line of column markers (....5...10...) X go back one line (same as N -1) <cr> (carriage return) go to next line (same as N 1) (period) switch mode (Edit-to-Input or Input-to-Edit)

## Level 1 (starting intermediate):

CAPS Set input to all CAPS DTOP Delete lines from top-of-file to current line FA Find forward All occurrences (column 1) FBA Find Backward All occurrences (column 1) FOLD FOLD lower case to upper case LA Locate forward All occurrences (any column) LBA Locate Rackward All occurrences (any column) LN list Lint Number of current line VER/VERSION List NETFD changes (equal) repeat last command (except No -, <cr>)

# Level 2 (intermediate):

AL	Add on left of line
ဥ၀	BReak line at a specific column
CO	Copy line(s) to another place in workfile
	(retain the original)
OUP	DUPLicate the current line
FIX	FIX line(s)
K/KL	Keep left-most columns
Κ¤	Keep right-most columns
M	Merge a file at the pointer
Ma	Move line(s) to another place in workfile
	(delete the original)
PA	Print All lines single-spaced
PD	Print lines Double spaced
POA	Print All lines Double-spaced
POP	POP toggles
Q	set/reset Query mode
RESET	RESET toggles
S	Scan forward (specified columns)
SA	Scan forward all occurrences) (specified columns)
S≅	Scan Backward (specified columns)
SBA	Scan Backward All occurrences (specified columns)
SET	SET toggles
SR	Shift lines to the Right
STR	list current STRing definitions
TL	Truncate on left of line
TR	Truncate on right of line
TRUNC	set line TRUNCation criteria
uc	Undo last Change
UNFOLD	UNFOLD upper case to lower case
V	set/reset Verify toggle
WHAT	list workfile attributes
VL	Write Lines to a file
WTOP	Write lines to a file from top-of-file TO Pointer
XS	exclusive Scan forward (specified columns)
XSA	exclusive Scan forward all occurrences
	(specified columns)
XSB	exclusive Scan Backward (specified columns)
XSBA	exclusive Scan Rackward All occurrences
	(specified columns)
#	set/reset show-line-numbers toggle

# $\odot$

## Level ( (advanced):

set AUTOmatic file BACKUP for writes AUTORACKUP Change Backward (towards top-of-file) CS. list workfile statistics COUNTS 0.1 Delete Backward DINS Delete Including line meeting (String test) DIOS Delete up TO line meeting (String test) NOBACKUP set NO automatic file BACKUP for writes PB Print Rackward (towards top-of-file) PFN change the workfile Permanent File Name PH Print line(s) in Hexadecimal PHE Print line(s) in Hex and Ebcdic PHWIDTH set PH and PHE terminal line WIDTH PINS Print lines Including line meeting (String test) PTOS Print lines up TO line meeting (String test) RCB Repeat Change Backward (towards top-of-file) RFC edit a RECovery file set SEQuence numbering for writes SEQ TEMP edit a TEMPorary file T I list elapsed and remaining TImes UCB Undo Change Hackward (towards top-of-file) MOINS Write-and-Delete lines to a file Including line meeting the <String test> WOL Write-and-Delete Lines to a file WOTOP Write-and-Delete lines to a file from top-of-file TO Pointer WOTOS Write-and-Delete lines to a file up TO the line meeting the <String test> WINS Write lines to a file Including the line meeting the <String test> WTOS Write lines to a file up TO the line meeting the <String test>

### Level 4 (specialized):

CENTER Line(s)
read from an auxiliary storage device
set paragraph INdentation
LEFT-justify line(s)
list line LENgths
List Page Lengths
set Left Margin
RIGHT-justify line(s)
set Right Margin
set/reset SLOW print taggle
write to an auxiliary storage device
echo text

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#### \*\*\* NETED and CANDE \*\*

NETED is actually two programs. The first, NETED, is a very short program which RUNs the second program. NETED/FDIT, the actual editor. This way, the editor is considered to be a job running outside of CANDE. It is, therefore, able to recover from most system problems, including halt/loads.

#### \*\*\* NETED and the Operating System (MCP) \*\*\*

Recause NETED is treated as a separate job, it is charged as a priority 49 batch job, which includes the batch job overhead charge, each time NETED is executed. The NETED command 'CANDE' and the CANDE control command 'THI' let the user leave and return to a single execution of NETED any number of times.

NFTFD stores the entire workfile in memory and lets MCP handle memory management. However, when several people are using NETED with large files, the system may slow down because the normal memory management swapping may not be fast enough. Therefore, NETED will cause the system to swap faster as the workfile jets larger. Recause of this, NETED users having large files will have slower response for commands which require "distant" lines in the workfile (lines not close to the current position of the pointer). To improve your own NETED response, work in small areas of your workfile, or better yet, keep the whole workfile small. The breaking points for the purpose of adjusting the swapping rate are 1000, 2000, and 3000 lines.

## \*\*\* Filekinds Supported \*\*\*

NETED supports 19 FILEKINDs: Algol, Basic, Rinder, Cdata, Cseq, Cobol, Dasdl, Data, DCAlgol, DMAlgol, Espol, Fortran (fixed and free format), Job, NDL, Newp, Pascal (Jovial), PL/I, and Seq. If any other FILEKIND is read, it is treated as CDATA (if UNITS=CHARACTERS) or DATA (if UNITS=WORDS).

#### \*\*\* Line Numbers vs Sequence Numbers \*\*\*

NFTED is a pointer-oriented editor, unlike the CANDE editor, which is sequence-number-oriented. With the CANDE editor, each line has a sequence number with gaps left to insert additional lines. If there is insufficient room, the file must be resequenced to make room.

With NETED, each line in the workfile has a position relative to line 0 (<Top of file>). This relative position is called the line number. Lines in the workfile may be considered as numbered from 1 to no without gaps. There is "infinite" room between lines for making insertions. As lines are added or deleted, the lines from the pointer through <Bottom of file> are "renumbered". Thus, line 476 is always the 476th line from <Top of file>, but the contents of the line depend on whether lines are added and/or deleted between <Top of file> and line 476. The pointer may be moved to any line and the contents of that line may be printed by entering just the line number. The line number of the current line can be printed by using the LN command.

For filekinds which have sequence numbers, when lines are written to a file by NETED, the first line is given a fixed sequence number, <a href="table-law-left">table-law-left</a>. The sequence number for each succeeding line is obtained by adding an increment, <incr> (default: 1), to the sequence number of the previous line. BASIC is discussed below. The NETED SEQ command may be used to specify a base and increment to be used when writing to a file. This base and increment have no effect on the line number within the workfile, but are used only when a file is written. To find the current base and increment, use "SEQ ?".

BASIC is a special case because the source program uses the sequence numbers for branching (in all other languages, the sequence numbers are ignored). BASIC programs are created by entering the sequence number followed by the statement. NETED cannot resequence a BASIC program. It can be resequenced using the CANDE editor.

## \*\*\* Toggles and Switches \*\*\*

Inggles (which are either set or reset) and switches (which have one of several settings) control the operation of NETED.

One toggle (.) controls the mode (Edit or Input); one toggle (CAPS) controls input; five toggles (AUTOBACKUP/NOBACKUP, SLOW, V, #) and two switches (PHWIOTH, TRANS) control output; and one toggle (Q) controls certain NETED commands.

A toggle is changed from set-to-reset or from reset-to-set by specifying the toggle. A switch is changed by giving it a new value. Three NETED commands (SET, RESET, POP) allow one or more toggles to be changed at once.

An alphabetical list of the toggles and switches can be found on pages 3-3 and 3-4.

#### \*\*\* Strings in NETED \*\*\*

NETED identifies (strings) in one of two ways: In the C command, the (string)s are delimited by a character (except? or blank) which is not in either (string). In all other string commands (A/AR, AL, F/L/S/XS/etc., I, R), the (string) starts after the command (after allowing for at most one blank as a separator) and continues through the last character entered (trailing blanks are significant).

After a <string> has been defined for a particular string command: it may be referenced later as part or all of a <string> in any other string command by using an <esc> sequence as follows:

<pre><esc>0 refers to the most recent F/L/S/XS/etc <string></string></esc></pre>	(1)
<pre><esc>1 refers to the most recent C <string1></string1></esc></pre>	(1)
<pre><esc>2 refers to the most recent C <string2></string2></esc></pre>	(1)
<pre><esc>3 refers to the most recent AL <string></string></esc></pre>	(1)
<pre><esc>4 refers to the most recent A/AR <string></string></esc></pre>	(1)
<pre><esc>5 refers to the most recent I (string)</esc></pre>	(1)
<pre><esc>6 refers to the most recent R <strina></strina></esc></pre>	(1)

#### \*\*\* Interrupting NETED \*\*\*

Many individual NETED commands can be interrupted while they are processing.

For disk reads (EDIT, M), disk writes (W. WL, etc.), searches (F, L, S, XS, etc.), and changes (C. RC, UC, etc.), \*? <mixno> HI\* will interrupt the command, display how many lines have been processed, and ask if the user wishes to continue or not.

<sup>(1)</sup> At version 1.11, all <esc>n's may be used, but only in the C/CB commands.

#### \*\*\* Special NETED Files \*\*\*

There are several files which NETED may create or use during a given execution.

#### PACKUP/<filename>

When a write command is entered, lines are written to the specified or implied file <filename>. If a file already exists with that <filename>, the user has the option of replacing the existing file, renaming the existing file before writing the new file, or aborting the command.

If the user chooses to replace the existing file and AUTOBACKUP is set, the existing file is renamed as RACKUP/<filename> before the workfile lines are written. If an old RACKUP/<filename> exists, the new BACKUP/<filename> replaces the old version.

If NOBACKUP is set, the existing file is renamed as NETED/WORKFILE/TEMPORARY/<temporary number>, the workfile lines are then written and, finally, the temporary file is removed. If the write is not successful, the temporary file is not removed. It may be edited using the NETED command

#### TEMP (temporary number)

or by using "TEMP (temporary number)" as the (filename) in the RUN statement or FDIT command. After it is in the workfile, the temporary file is removed.

NETED backup files are just a means of preserving the most recently SAVEd copy of the edited file and should not be confused with 97700 "backup" print files.

## NETED/WORKFILE/RECOVERY/Cfilename>

In most cases, when there is a fault (in NETED or the system), NETED will write the current workfile into the recovery file, NETED/WORKFILE/RECOVERY/
Where <recovery number>
is the mix number of NETED/EDIT.
A recovery file may be re-edited using the NETED command

#### REC (recovery number)

or by using "REC recovery number>" as the <filename> in
the RUN statement or FDIT command. After it is in the
workfile, the recovery file is removed.

NETED/WORKFILE/TEMPORARY/<filename>
See BACKUP/<filename>.

## \*\*\* Writing Workfile Lines on Disk \*\*\*

The following options may be used for any of the write commands (SAVF/W/WDINS/WDL/WDTOP/WDTOS/WINS/WL/WTOP/WTOS/WU). A write command may be followed by a colon (:) and a write option. The following write option is supported:

A FILETYPE=5 file is written. The lines are squished (trailing blanks, sequence numbers (except BASIC, COBOL, CSEQDATA) and the ID field are removed). Generally, squished files require 1/3 to 1/2 the disk space, but are not compatible with CANDE or the compilers. A file which is normally saved in squished format may be unsquished by EDITING it into NETED and SAVEING it without ':S'. If this option is used on the OPEN statement, all writes to that file will be squished.

## \*\*\* File Security \*\*\*

The file security attributes of existing files owned by the executing usercode are retained. New files being created and files owned by another usercode are given the default attributes of PRIVATE I/O.

## Compiling and Running a Program

Since NETFD is only a text editor. CANDE may be used to compile and execute programs developed using NETED.

The CANDF command

### COMPILE (sourcefilename)

will compile the program in file <sourcefilename>, listing any errors at the terminal. If there are no errors, the object code file will be saved in file OBJECT/(sourcefilename), replacing any existing file with the same name.

To run the object program, use the CANDE command

RUN (sourcefilename)

which will execute the object code in file OBJECT/<sourceftlename>.

Only the simplest forms of COMPILE and RUN are shown above. Since they are executed in CANDE, any form which CANDE accepts may be used.

The example on the next page illustrates creating a program, compiling and executing it. The following symbols are used to annotate the example:

- c> -- a CANDE response
- n> -- a NETED response
- o> -- user program output
- p> -- a CANDE prompt
- u> -- a user entry
- \* -- descriptive comments follow a percent (%)

```
RUN *NFTED ("MYPROG")
                                    x create Fortran program MYPROG
u>
     #RUNNING 2740
                                     * NETED begins
c >
0>
     4?
     >RUNNING 2741
                                     % NETED begins
n>
     87700 NETED
n>
     Workfile is FORTRAN (fixed format)
2
     Truncation Length = 72
n>
     Tab character = \ tab stops = 7, 10, 13, 16, ...
n>
n>
                                        X Input mode. Enter program
     Input.
      $ RESET FREE
u>
     Cltest SQRT
u>
u>
       100 CONTINUE
u>
     \READ (5. /. END=200) A
     \PRINT //. "SGRT(". A. ")=". SGRT(A)
11)
     \GO TO 100
U.
       200 CONTINUE
u>
     \STOP
u>
u>
     NEND
                              % end of program. switch to Fdit mode
u>
n>
     Edit.
     0 P $
                                                  * list the workfile
u>
     <Top of file>
n>
n>
      * RESET FREE
           test SQRT
n>
       100 CONTINUE
n>
n>
           READ (5, /, END=200) A
           PRINT //, "SQRT(", A, ")=", SQRT(A)
n)
           GO TO 100
n>
n>
       200 CONTINUE
n>
           STOP
           END
n>
     <Bottom of file>
n>
                                     % write workfile on file MYPROG
u>
         9 lines written to (user) MYPROG.
n>
                                                      * suspend NETED
u>
     CANDE
     NETED suspended for 30 minutes (suicide at 16:14!).
n>
     To resume: ? 2741 HI
u>
     C MYPROG
                                                % compile the program
     #COMPILING 2765
c >
c>
     FT= ...
     R MYPROG
u>
                                                    * run the program
c >
     #RUNNING 2768
p>
     #?
     25
u>
     SQRT( 25.0 )= 5.0
0>
u>
9>
     SQRT( 50.0 )= 7.0710678118
     ?END
                                                   * terminate MYPROG
u>
c>
     MET= ...
c>
u>
     ? 2471 HI
                                                       * resume NETED
     #?
p>
u>
     % change the program or EDIT a new file
```

\*\*\* The NETED Commands 4lphabetically \*\*\*

All NETED commands have the following syntax:

where [...] indicates an optional item.

<iine#>

If specified, the pointer is moved to this line before the rest of the command is processed. If a valid command fails for any reason, including a syntax error, the pointer is left at the new position.

<toggles>:

If specified, the listed toggles are changed, for the current command only, as follows:

- <toggle> -- flip the toggle
- + <toggle> -- set the toggle
- <toggle> -- reset the taggle

The colon ':' is required to separate the Ctoggles> from the Ccommand>.

<command>

The command to be executed.

: coptions>

Qualifying options which control such things as filenames and formats.

In the examples in the rest of the chapter, each line is preceded by one of:

u> -- a user entry

--> -- the position of the pointer after successful completion of the command

<nothing> -- typed output of the command

Page 2-2

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A (Append)
AL (Add on Left)
AR (Add on Right)

(Append) A (Add on Left) AL (Add on Right) AR

AR (string)

or or 4 (string)

AL (string)

\_\_\_\_\_

AL.

Append (string) to the end of the current line (A/AR) or add at the start of the line (AL). If (string) is omitted, the most recent corresponding definition is used.

See page 1-9: Strings in NETED.

See K/KL/KR. SR. STR. TL/TR.

Taggles affecting the autput of this command: V. N.

Pointer after command completion: unchanged.

## Examples:

u> P

--> The quick brown fox jumped

u> A over

--> The quick brown fox jumped over

u> F The gam

--> The game is

u> A

--> The game is over

u> L rain

--> over the rainbou

u) AL Somewhere X including one space at the end

--> Somewhere over the rainbow

AUTORACKUP NOBACKUP AUTOBACKUP Nobackup

AUTOBACKUP

NOBACKUP

When AUTOBACKUP is set, each write command which writes to an existing file will rename the existing file to BACKUP/<filename> before writing the new file. If BACKUP/<filename> already exists, it is purged.

when NOBACKUP is set, BACKUP/(filename) is not created. Instead, an existing file is renamed NETED/WORKFILE/TEMPORARY/(temporary number) until the new file is written successfully. Then the temporary file is removed.

Default: AUTORACKUP.

Toggles affecting the output of this command: none.

Pointer after command completion: unchanged.

Examples:

1) u> W MYFILE
File exists, rename old version or <cr>
u> <cr>

Backup up.
50 lines written to MYFILE.

2) u> NOBACKUP
 NOBACKUP set.
u> W MYFILE
 File exists, rename old version or <cr>...
u> <cr>...
50 lines written to MYFILE.

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B (Rottom of file)

(Bottom of file) B

B

Move the pointer to the last line of the file and print the line.

Toggles affecting the output of this command: V. #.

Pointer after command completion: the last line of the file.

## Fxample:

u> 1 P -\$ --> Line 1 line 2 line last <Bottom of file> u> B --> line last

BR (AReak a Line)

(BReak a Line) BR

BP (cot)

--------------

greak the current line at column <col>. Original columns 1 - <col>-1 will become one line; columns <col> - \$ will become a new line. The pointer will be positioned at the new line.

(col) must be greater than 1 and less than or equal to the current line length (or '\$').

Toggles affecting the output of this command: V. #.

Pointer after command completion: the new line.

#### Example:

u> P --> This is a line to be broken. u> X 33 ....5...10...15...20...25...30... u> 8R 15 --> to be brokenu> RA -1- This is a line --> to be broken. +1+ The next line.

C (Change) (Change) C CB (Change Backward) (Change Backward) CB (Receat Change) (Repeat Change) RC RC RCB (Repeat Change Backward) (Repeat Change Backward) RCB UC (Undo Change) (Undo Change) UC UCB (Undo Change Fackward) (Undo Change Backward) UCB

RC ((cols)) <nlines> \*<ntimes> (global> <?>
RCB ((cols)) <nlines> \*<ntimes> (global) <?>

UC (<cols>) <nlines> \*<nlimes> <global> <?>
UCB (<cols>) <nlines> \*<nlimes> <global> <?>

Change <string1> to <string2> in a forward (C/RC/UC) or backward (CB/RCB/UCB) direction.

<dlm> is  $_3$  delimiter and may be any character not in either string-except a blank-

If <cols> is specified, it has one of the following forms:

<col1>

<string1> must start in column 1.

<col1>-<col2>

<string1> must be contained within <col1> thru <col2>.

<coll>:<ncols>

<string1> must be contained within <col1> thru <col1>+
<ncols>-1.

<col2> or <ncols> may be \$ to indicate end-of-line.

<nlines> is the number of lines to be changed. It changes the current
line and the next (or next preceding) <nlines>-1 lines. If <nlines> is
omitted. only the current line is changed. If <nlines> is preceded by a
minus sign \*-\* sign, the pointer is returned, after changing. to its
original position.

\*\* <ntimes>\* causes the first <ntimes> occurrences of <string1> to be changed.

If <global> is the letter G, all occurrences of <string1> are changed on each of the <nlines> lines. If <global> is omitted, only the first occurrence of <string1> is changed (in each of the <nlines> lines).

If <?> is a question mark  $!^2!$ , each line changed will be typed and one of the following responses must be given:

- Y -- make the change
- c -- make the change and continue without question
- N -- no change, but proceed with the command
- 0 -- quit the command now, without change

If <stringl> is null (<dlm><dlm>), then <string?> is placed in front of the first (or all, if <qlobal> is specified) column in the specified or implied <cols>. This is the same as AL <string2>.

The options (<cols>). <nlines>. \*<ntimes>. <global>. and <?>. may be given in any order. Any or all may be omitted.

Hint: If the options are omitted and the final <dlm> is forgotten.

RC will execute the command, eliminating the need to re-type it.

\*<esc>l\* may be used to refer to the most recent "change" <stringl> as part or all of any <string> in any string command.

\*Kesc>2\* may be used to refer to the most recent \*change\* Kstring2> as part or all of any Kstring> in any string command.

See page 1-9: Strings in NETED.

RC/RCB repeats the last command.

UC/UCB undoes the last command. It is shorthand for C /<esc>2/cesc>1/...

CR /<esc>2/(esc)1/...

but does not change the values of <esc>1 and <esc>2.

See STR.

Toggles affecting the output of this command: V, #.

all 100 100 and 100 an			
		changed lines listed without line number	:
: lines	tes multiple	only error and truncation messages	: :

```
Pointer after command completion:
       If <nlines>: C/RC/UC : current line + <nlines> - 1.
                      CB/RCB/UCB : current line - (nlines) + 1.
       If - <nlines>: unchanged.
Examples:
        1)
                u> P
               --> Corect this line
```

--> Correct this line **7)** U> SFT # u> P -3 --> 1 This line has a error. 8 This is ok 9 Here's aother error. u > -V : C / a/ an/ -37 9 u> V

u> C /r/rr/

- Verify reset. u> -# : P 3 This line has an error. This is ok --> Here's another error.
- 3) u> P --> the first shall be last u> C /la/ffr/ --> the first shall be first u> UC --> the last shall be first

CAND

CANDE

CANDE (minutes)

Suspend NETED for <minutes> minutes (default: 30) and allow execution of CANDE commands. Note that CANDE control commands (those starting with 2) may always be entered at any time and in either mode (Input or Edit).

In response to CANDE, NETED will type

NETED suspended for <minutes> minutes (suicide <time>!)
To resume: ? <mixno> HI

When ready to resume NETED, enter

? <mixno> H[

where  $\langle mixno \rangle$  is the mix number for NETED. If forgotten, as may be the case when using a CRT, use

?J -or- ?MIX

to obtain the mix number.

If NETED is not resumed within the specified or implied time, it will create a recovery file and terminate without notifying the terminal.

While NETED is suspended, use of the CANDE commands BYE, HELLO or SPLIT will either terminate the session or initiate a new session with a new mix number after which the suspended NETED may not be restarted.

Toggles affecting the output of this command: none.

Pointer after command completion: unchanged.

Example:

u> ?TIME #12:27 PM TUESDAY, JUNE 22, 1982

u> CANOF 45 NETED suspended for 45 minutes (suicide at 10:40!) To resume: ? 4753 HI

u> (any number of CANDE commands)

u> ? 4753 HI

u> (next NETED command)

CAPS (input CAPS lock toggle)

(input CAPS lock toggle) CAPS

CAPS

Flip the toggle controlling upper/lower case on lines entered from the keyboard.

When CAPS is set, all lower case input is translated to upper case.

when reset, no translation takes place, that is, lower case letters are kept in lower case.

See FOLD/UNFOLD.

\_\_\_\_\_

Default: reset.

Toggles affecting the output of this command: none.

Pointer after command completion: unchanged.

Examples:

- u> CAPS Caps set.
- u> I Now is the time ...
- u> P
- --> NOW IS THE TIME ...
  - U> CAPS

Caps reset.

- u) I The quick brown fox ...
- u> P
- --> The quick brown fox ...

CENTER (CENTER within margins) LEFT (LEFT-justify) RIGHT (RIGHT-justify) (CENTFR within margins) CENTER
(LEFT-justify) LEFT
(RIGHT-justify) RIGHT

CENTER (nlines) LEFT (nlines) RIGHT (nlines)

Center. Left- or right-justify <nlines</pre> lines within the current
margins.

<nlines> is the number of lines to be changed. It changes the current
line and the next <nlines>-1 lines. If <nlines> is 0 or omitted, only
the current line is changed. If <nlines> is preceded by a minus sign
\*-\*, the pointer is returned, after the change, to its original position.

If a line is longer than the current margin width, it is not changed.

See LM/RM.

Toggles affecting the output of this command: V. W.

Pointer after command completion:

If <nlines>: current line + <nlines> - 1.

If - <nlines>: unchanged.

Examples:

u> P -3
First line to be processed second line
line 3

u> X 30 ....5...10...15...20...?5...30

u> RIGHT -3
--> First line to be processed
second line

second line 3
u> CENTER -3

--> First line to be processed second line line 3

u> LEFT3
--> First line to be processed second line line 3

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CO (COpy)

(COpy) CO

<Line#> CO <amount to copy> <destination>

Copy lines to the specified place.

<amount to copy> is <nlines> -- a specific number of lines

<destination> is one of:

AT AT Ine#> -- after line line#>

+ (nlines) -- after current line + (nlines)

- (nlines) -- after current line - (nlines)

If the lines have been copied successfully, one of the messages:

<n> lines copied, inserted after line <m>.

<n> lines copied, inserted after (top-of-file)

<n> lines copied, inserted at <bottom-of-file>

is typed.

See DUP. MO.

Toggles affecting the output of this command: V.

Pointer after command completion: unchanged.

--> <Rottom of file>

Examples:

```
u> P ~4
--> <Top of file>
    tine 1
    Line ?
    tine 3
    <Bottom of file>
 u> 1 CO 2 + 1
    2 lines copied. inserted after line 2.
 u> P 5
tine t
    Line 2
    line 1
    line 3
--> Line 3
 u> CO $ AT 0
   1 lines conied, inserted after (Top-of-file).
 U> 0 P $
    <Top of file>
    Line 3
    tine 1
    Line 2
    tine 1
    line 2
    Line 3
```

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COUNTS (list workfile statistics) (list workfile statistics) COUNTS

COUNTS

List the following statistics about the workfile:

number of lines number of characters length of the shortest line length of the longest line

Toggles affecting the output of this command: none.

Pointer after command completion: unchanged.

Examples:

u> COUNTS 275 lines, 13759 characters Shortest = 7. Longest = 72. n (nelete) DB (Detete Backward)

(Delete) D (Delete Backward) DB

D <nlines>

DB (alines)

Delete <nlines> lines forward (0) or backward (DB), starting with the current line.

If (nlines) is amitted, only the current line is deleted.

See DTOP, DTOS/DINS.

Toggles affecting the output of this command: V.

Pointer after command completion: the line before the first (or only) line deleted.

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# Examples:

u> RA 2 u> RA 2 -2- line d -?- line d -1- line e -i- line e --> >>> line f --> >>> Line f +1+ Line g +1+ line g +2+ Line h +2+ line h u> 0 2 u> 08 2 U> RA U> RA -1- line d --> >>> line e +1+ line h -1- line c --> >>> Line d +1+ Line g OTOP (Delete TO Pointer)

(Delete TO Pointer) DTOP

010P

Delete all lines from <Top of file> up to, but not including, the current line.

See D/DB, DTOS/DINS.

Toggles affecting the output of this command: none.

Pointer after command completion: unchanged.

# Example:

u> RA 4 -4- <Top of file> -3- line 1 -2- line 2 -1- line 3 --> >>> line 4 +1+ line 5 +2+ line 6 +3+ line 7 +4+ line 8 u> DTOP u> RA 4 -1- <Tap of file> --> >>> tine 4 +1+ line 5 +2+ line 6 +3+ Line 7 +4+ tine 8

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DIOS (Delete TO String)
DINS (Delete Including String)

(Delete TO String) DTOS (Delete INcluding String) DINS

OTOS (string test)

DINS (string test)

Delete all lines from the current line through and including (DINS) or not including (DIOS) the first line which satisfies the <string test>.

The <string test> has one of the following forms:

F (string)

L (string)

S (<cols>) <string>

XS (<cols>) <string>

which have the same meanings as when used alone as commands.

If query is set, the line satisfying the <string test> is typed. If this is the desired terminating line, respond Y or C; if not, respond N or Q.

If no line is found which satisfies the <string test>, the command is not executed.

See D/DB. DTOP.

Toggles affecting the output of this command: Q. V. M.

Pointer after command completion: current line - 1.

#### Examples:

u: P 3

<Top of file>
tine 3

--> line 4

DUP (NUPLicate)

(nuPlicate) DUP

TUP (ntime:>

Suplicate the current line <ntimes> times following the current line. Except for the printer position after the command, this is the same as \*CO 1 + 0\* done (ntimes) times.

If <nlines> is preceded by a minus sign (-), the pointer is not moved.

See CO. MO.

Toggles affecting the output of this command: V.

Pointer after command completion:

if <nlines>: at the <ntimes>th cony.

if - <nlines>: unchanged.

#### Examples:

u> RA -1- Line p

--> >>> Line a +1+ line r

u> DUP

13> RA 2

-2- line p

-1- line a

--> >>> Line a

+1+ line r

+2+ Line s

u> PA

-1- Line i

--> >>> Line k

+1+ line l

u> DUP 3

u> R4 4

-4- line i

-3- line k

-2- Line k

-1- line k

--> >>> line k

+1+ line t

+2+ Line m

+3+ Line n

+4+ Line o

ECIT (EDIT a new workfile)

(EDIT a new workfile) EDIT

EDIT "<filename>,<filekind>,<length>" EDIT "-<filename>,<filekind>,<length>"

The NETED workfile is cleared and re-initialized. The file <filename> is edited into the workfile.

The parameters are the same as in the RUN statement.

The quotes ("...") are optional.

If <filename> is preceded by a minus sign !-!, only the filekind. maximum line length and number of lines (if <filename> already exists) are listed.

If the current workfile has not been saved, NETED will respond with:

Workfile not saved. ?>

Enter 'Y' or 'C' to continue, or 'N' or 'Q' to abandon the EDIT command and regain the current workfile.

Toggles affecting the output of this command: V.

Pointer after command completion: at <top-of-file>.

Example:

u> RA -1- <Top of file> --> >>> line 1 +1+ line ? u> EDIT OLO/FILE Workfile is FORTRAN (fixed format) Maximum line length = 72 1278 Lines read from OLD/FILE. Edit.

u> P

--> <Top of ffle>

u> \$

--> <Rottom of file>

- u> fOIT NEW/FILE+CO
  Workfile is COBOL
  Truncation length = 66
  Tab character = \ tab stops = 4.8.12.16....
  Input.
- u> .
  cdit.
- u> c
- --> <Top of file>
- u> EDIT -NEXTFILE ALGOL tr=72 6235 lines. Edit.

ENTER (ENTER from remote storage) (ENTER from remote storage) ENTER

ENTER: S < nsecs>

lines are input from an auxiliary storage device which uses the standard DC1-DC4 codes to provide remote control of read/write functions.

This command causes NETED to switch to the input mode and send a OC1 ("start read") to the terminal to initiate reading from the storage device. (If a line with "bit" is typed and the command does not end, press the delete key (DEL or <ctrl>-X).

If ':S' is specified, no 'DC' codes are sent to the terminal.

The ENTER command terminates when no input has for conds
The default is 5 seconds

Since execution of this command is limited by the terminal's baud rate and may take quite a while, the final line rings the bell five times to signal completion.

After completion of this command, NETED is returned to the edit mode.

This command is useful for transferring files from the CDC 6000 to the  $87700\$ 

See STORE.

Toggles affecting the output of this command: none.

Pointer after command completion: unchanged.

Examples:

F (Find) F
FR (Find Backward) (Find Backward) FB
L (Locate)
LB (Locate Backward) (Locate Backward) LB
S (Scan) (Scan) S

SB (Scan Backward) (Scan Backward) SB

XS (EXclusive Scan) XS

XS (eXclusive Scan) XS (eXclusive Scan Backward) (eXclusive Scan Backward) XSB

F (string)
FB (string)

L (string)
LB (string)

SB (<cols>) <string>
SB (<cols>) <string>

XS (<cols>) <string>
XSB (<cols>) <string>

Forward (backward) search for the next (next previous) line containing (F.FB.L.LB.S.SB) or not containing (XS.XSB) the <string>. They differ in where the test is made in the line:

F/FB -- (string) must start in column 1

L/LB -- <string> may be anywhere in the line

See page 1-9: Strings in NETED.

See STR.

Toggles affecting the output of this command: V. #.

Show-line-numbers on Show-line-numbers off \_\_\_\_ i each line is listed : each line is listed : with line number : without line number : Verify set -----Verify reset : only line numbers are : no output : listed

Pointer after command completion: if found: at the line containing the <string>. if not found: unchanged.

#### Examples:

U> RA 4 -4- Now 1s the -3- time for -2- all good men -1- to come to the --> >>> aid of +1+ the quick brown +2+ fox who jumped +3+ over the lazy +4+ dog. u) F the --> the quick brown u> FB tf --> time for u> L women Not found. u> P --> time for u> LB w --> Now is the u> S (6) the --> over the lazy u> SR (2-4) w --> Now is the

(Find ALL) (Find All) FA FA FRA (Find Backward All) (Find Backward All) FBA (Locate All) (Locate All) LA LA LBA (Locate Backward All) (Locate Backward All) LBA (Scan All) (Scan All) SA SA SRA (Scan Backward All) (Scan Backward All) SBA XSA (exclusive Scan All) (exclusive Scan All) XSA XSBA (eXclusive Scan Backward All) (eXclusive Scan Backward All) XSBA

FA (string) FBA (string)

LA (string) LBA <string>

SA (<cols>) <string> SBA (<cols>) <string>

XSA (<cols>) <string> XSBA (<cols>) <string>

Forward (or backward) search for next (or next previous) lines through <bottom of file> (or <top of file>) for all lines containing (FA/FBA/ LA/LRA/SA/SBA) or not containing (XSA/XSRA) the <string>. They differ in where the test is made in the line:

FA/FBA -- (string) must start in column 1

LA/LBA -- <string> may be anywhere in the line

SA/SBA -- <string> must start in <col1> (if (<col1>)) <string> must start with <col1>-(<col1>+<ncols>-1) (if (<col1>:<ncols>)) <string> must be within <col1>-<cal2> (if (<col1>-<col2>))

XSA/XSBA --<string> must not start in <coll> (if (<coll>)) <string> must start with <col1>-(<col1>+<ncols>-1) (if (<coli>:<ncols>)) <string> must not be within <col1>-<col2> (1f (<col1>-<col2>))

See page 1-9: Strings in NETED.

See STR.

Toggles affecting the output of this command: V. N.

	set	Show-tine-numbers on	Show-line-numbers off	
Verity		: each time is listed	l each line is listed	-:
		: with line number	: without line number	!
verify	reset	i only line numbers are a sterisk before a line		:
		i multiple occurrence of		

Pointer after command completion: unchanged.

# Examples:

- U> WHAT Workfile is FORTRAN
- u> FA C (All comments in a Fortran program)
- u> 0 XSA (1) C (All Fortran program statements except comments)

FIX (FIX a line)

(FIX a line) FIX

FIX
FIX <nlines>
FIX <
FIX <<
FIX >
FIX >

Make one or more changes to a line.

For the first two forms, the line to be fixed will be typed. The user then enters a line composed of a combination of the following editing characters or break phrases(trailing blanks may be omitted):

# Editing characters:

<space> -- retain the above character change the above character to a blank B -delete the above character --O \_\_\_ F fold the above character insert text before the above character ſ R replace the above character unfold the above character 11

Break phrases (single-line FIXes only):

(For the following 5. <text> means from the start of the current line thru and including the marked character)

- < -- move <text> to a new line preceding the current line
- n < -- move <text> to the previous line before column n
- n << -- move <text> to the previous line before column n leaving a blank before the moved text
- \$ < -- move <text> to the end of the previous line
- \$ << -- move <text> to the end of the previous line leaving a blank before the moved text

(For the following 5, <text> means from the marked character thru the end of the line)

- > -- move <text> to a new line following the current line
- > n -- move <text> to the next line before column n
- >> n -- move <text> to the next line before column n and insert a plank after the moved text
- > s -- move <text> to the end of the next line
- >> \$ -- same as \*> \$\*

8/0/F/U editing is done first. Then the modified line is typed up to the first "I" or "R". The user enters the new text. This is repeated until all "I" and "R" editing has been completed. Note that a field of R's is treated as if it were a field of D's followed by "I".

<nlines> is the number of lines to be changed. It changes the current
line and the next <nlines>=1 lines. If <nlines> is omitted, only the
current line is changed. If <nlines> is preceded by a minus sign, \*-\*,
the pointer is returned, after the changes, to its original position.
Note that changes are indicated only for the first line. The same
changes are made to all <nlines> lines.

Break editing ('<', '>') is valid only for single line fixes, that is, when <nlines> is 1.

Four special forms of FIX will concatenate lines:

FIX <

Concatenate the current line and the preceding line. That is, add the current line to the end of the preceding line and delete the current line. This has the same effect as using '\$>' at the end of the current line and then deleting the current (now blank) line.

FIX <<

Same as 'FIX <", except that a space is inserted between the two concatenated texts.

FIX >

Concatenate the current line and the next line. That is, add the current line to the start of the next line and delete the current line. This has the same effect as using ">0" at the start of the current line and then deleting the current (now blank) line.

FIX >>

Same as 'FIX >', except that a space is inserted between the two concatenated texts.

Toggles affecting the output of this command: V, #.

Pointer after command completion:

If <nlines>: current line + <nlines> - 1.

If - <nlines>: unchanged.

Page 2-30 Nov 1982 Revo B7700 NETED Examples: 1) u> FIX a234556 == 7.3 + 6u> F D BT 423456 = ZZ + ( u> 423456 = ZZ + (1.3 + 6)u> A23456 = ZZ + (7.3 + 6)2) u> 168 FIX This is a line to be fixxed and broken up. This is a line to be fixed and --> broken up. 3) u> 168 P -2 --> This is a time to be fixxed and broken up. This is the next line. u> FIX --> This is a line to be fixxed and broken up. u> This is a line to be fixed and --> broken up. This is the next line. 4) u> 168 P -2 --> This is a line to be fixxed and broken up. This is the next line. u> FIX --> This is a line to be fixzed and broken up. D >17 This is a line to be fixed and --> This is the next broken up.line. 5) u> 168 FIX This is a line to be fixxed and broken up.

--> This is a line to be fixed and

broken up.

--> >>> Line 473 Line 474 +1+ Line 475

.

FOLD UNFOLD FOLO UNFOLD

FOLD (<cols>) <nlines>

UNFOLD (<cols>) (nlines>

Change all lower case letters to upper case (FOLD) or all upper case letters to lower case (UNFOLD) for <nlines> starting with the current line.

If (cols) is specified, it has one of the following forms:

<col1>

Only one column is FOLDed/UNFOLDed

<col1>-<col2>

All columns between <coll> and <col2>, inclusive, are FOLDed/UNFOLDed

<coll>:<ncols>

<ncols> beginning with column <coll> are FOLDed/UNFOLDed

<col2> or <ncols> may be \$ to indicate end-of-line.

<nlines> is the number of lines to be changed. It changes the current line and the next <nlines>-1 lines. If <nlines> is omitted, only the current line is changed. If <nlines> is preceded by a minus sign, '-', the pointer is returned, after the change, to its original position.

See CAPS.

Toggles affecting the output of this command: V. N.

Pointer after command completion:

If <nlines>: current line + <nlines> - 1.

If - <nlines>: unchanged.

# Example:

- u> RA 3
  - -1- (Top of file)
- --> >>> AhCdEfGhIjKLMnOpQrStUvWxYz0125346789()+-...
  - +1+ aacDeFgHiJkLmNoPqRsTuVwXyZ0123546789()+-...
  - +2+ ALL UPPER CASE
  - +3+ all lower case
- u> 2 FOLD 3

ABCDEFGHIJKLMNOPORSTUVWXYZ0123456789() +- ...

- ALL UPPER CASE
- --> ALL LOWER CASE
- u> -
- --> ALL UPPER CASE
- u> UNFOLD (5-9)
- --> ALL upper CASE
- u> 0 P 5

(Top of file)

AbCdEfGhIjKLMnOpQrStUvWxYz01234567890()+-...

ABCDEFGHIJKLMNOPQRSTUVHXYZ01234567890()+-...

ALL upper CASE

--> ALL LOWER CASE

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HELP (user HFLPs)

(user HELPS) HILP

HELP

or

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HELP (type)

OF

H <type>

HELP (command)

or

H (command)

HELP/H types the following menu of HELP lists available:

## NETED HELP MENU:

H : This menu

H 1 : Toggles and switches

H 2 : Commands which affect commands

H 3 : Commands which move the pointer but do not change the workfile

H 4 : Print commands which never move the pointer

H 5 : Commands which alter lines

H 6 : Commands which operate in hexadecimal

H 7 : File manipulation commands

H 8 : Commands which terminate or suspend NETFD

H 9 : Text/word processing related commands

H 10 : Commands which write to the printer

H 11 : Specialized commands

H 12: Miscellaneous commands

H 13 : List of commands having individual HELPs

H <-s or any negative number> : H 1 thru H 13, inclusive

H <\$ or any positive number gt 13> : Alphabetical list of all commands (toggles and switches separate)

HFLP/H (type) types the requested tist(s).

HELP/H <command> types a summary of the specified <command>. Use H 13 for a list of <command>s having individual HELPs.

Toggles affecting the output of this command: none.

Pointer after command completion: unchanged.

"xamole:

- U> HELP 6 NETED (version) file manipulation commands: ---- Fnd of HFLP 6 ----
- UD HELP \$ NETED (version) commands: ---- End of HELP \$ ----
- U> HELP FIX FIX command summary: ---- End of HELP FIX ----

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I (Insert)

(Insert) I

I (string)

Insert a new line after the current line.

See page 1-9: Strings in NETED.

See STR.

Toggles affecting the output of this command: none.

Pointer after command completion: at the inserted line.

Fxample:

u> P -3 --> line q line r line s u> I new line q1 u> RA

-1- line q --> >>> new line q1 +1+ line r

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IN (set paragraph INdentation)

(set paragraph INdentation) IN

IN Checols>
IN ?

Set paragraph indentation, relative to LM, for use by future commands FILL, and FILLJ.

<ncols> may be positive or negative, subject to the restriction that:

If (ncols) is \$ or -\$, the indentation is defined as the largest or smallest value, respectively. That is, (RM-LM) or -(LM-1).

If <ncols> is omitted, the paragraph indentation is reset to 0.

\*IN ?\* will display the current left and right margins, paragraph indentation and line width.

See LM/RM.

Toggles affecting the output of this command: V.

Pointer after command completion: unchanged.

Examples:

u> IN ? LM=10 RM=72 IN=0 width=63

u> IN 5 LM=10 RM=72 IN=5 w1dth=63

u> IN -\$ LM=10 RM=72 IN=-9 width=63 K (Keep left-most columns)
KL (Keep Left-most columns)
KR (Keep Right-most columns)

(Keep left-most columns) K (Keep Left-most columns) KL (Keep Right-most columns) KR

K <ncols> <nlines> KL <ncols> <nlines>

KR (ncols) (nlines)

Shorten <nlines > lines by keeping columns on the left (K/KL) or right (KR) and throwing away the rest of each line. These are the same as: TR line length-ncols> <nlines> and TL line length-ncols> <nlines>.

<nlines> is the number of lines to be truncated. It truncates the
current line and the next <nlines>-1 lines. If <nlines> is omitted,
only current line is truncated. If <nlines> is preceded by a minus
sign, \*-\*, the pointer is returned, after the change, to its original
position.

See A/AR/AL, SR, TL/TR.

Toggles affecting the output of this command: V.

Pointer after command completion: unchanged.

#### Examples:

u> P

--> This line was too long (by ? characters)

u> x

\*\*\*\*5\*\*\*10\*\*\*15\*\*\*20\*\*\*25\*\*\*30\*\*\*35\*\*\*40\*\*\*45\*\*\*50

u> K 22

--> This line was too long

U> P

--> This line was too long (by ? characters)

u> KR 22

--> long (by ? characters)

LEN (list line LENgth)

(list line LENgth) LEN

LEN (nlines) (long)

List the Length of each of <nlines> lines starting with the current line.

If <nlines> is omitted, only the length of the current line is listed.

If <nlines> is preceded by a minus sign \*-\*, the pointer is returned, after listing, to its original position.

If (long) is specified, lines longer than (long) characters will be flagged with an asterisk and a count of the excess characters.

Toggles affecting the output of this command: #.

Pointer after command completion:
if <nlines>: current line + <nlines> - 1
if - <nlines>: unchanged

Examples:

u> X 30 ....5...10...15...20...25...30 u> P --> this line has 23 chars. u> LEN 23 u> LEN 1 10 23 + 13 LM (set Left Margin)
RM (set Right Margin)

(set Left Margin) LM (set Right Margin) RM

LM <lm>

RM <rm>

Set the left and right margin for CENTER. LEFT and RIGHT commands.

<lm> must be positive and less than <rm>. (Default: 1)

<rm> must be positive: greater than <lm> and less than the maximum line length. (Default: the maximum line length)

\*LM ?\* and \*RM ?\* will display the current left and right margins, paragraph indentation, and line width.

See IN.

-----

Toggles affecting the output of this command: V.

Pointer after command completion: unchanged.

#### Examples:

u> LM ?
 LM=1 RM=80 IN=0 width=80
u> LM 7
 LM=7 RM=80 IN=0 width=74
u> RM 66
 LM=7 RM=66 IN=0 width=60
u> LM
 LM=1 RM=66 IN=0 width=66
u> RM
 LM=1 RM=80 IN=0 width=80

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LN (tine Number)

(Line Number) LN

LN

List the line number of the current line.

Toggles affecting the output of this command: none.

Pointer after command completion: unchanged.

Example:

u> RA 2 -2- <Top of file> -1- line 1 --> >>> Line 2 +1+ line 3 +2+ Line 4 u> LN Line 2

LPL (List Page Lengths)

(List Page Lengths) LPL

LPL <page length>

List page lengths for the document currently in the workfile. The following carriage control characters in column 1 are recognized:

1 - top of page

space - print on the next line

0 - double space

 triple space (note that this is not recognized by the 87700 printer)

+ - print on the same line

Any other character in column 1 will be ignored.

Pages greater than Coage length> lines are flagged with an asterisk (\*)
and a count of the number of extra lines in the page.

A summary of the carriage control characters encountered is printed at the end.

If <page length> is preceded by a minus sign, individual page Lengths and the locations of bad CC's are not listed. Only the total line and CC summary are printed.

If verify is set, the bad carriage control characters, if any, are listed.

Toggles affecting the output of this command: V.

Pointer after command completion: unchanged.

bad 4

Fxamples:

```
u> LPL
Pg # lines * >60
1 60
2 54
3 27
4 65 * 5
...
15 60
Total: 15 pages, 724 lines, (3 too long)

CC summary:
'1' 148
' ' 3062
'0' 1660
'+' 147
'5' 150
```

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## M (Merge file)

(Merge file) H

M	<filename></filename>			(1)
M	<filename></filename>	<iine#></iine#>		(2)
M	<filename></filename>	<from> -</from>	<to></to>	(3)
M	<filename></filename>	<from> -</from>	\$	(4)
M	<filename></filename>	<from> :</from>	<nlines></nlines>	(5)
M	<filename></filename>	<from> :</from>	\$	(6)

Merge lines from file <filename> after the current line.

## M has six forms:

- (1) merge a complete file
- (2) merge one tine
- (3) merge a range of lines
- (4) merge a range of lines through <Bottom of file>
- (5) merge a certain number of lines
- (6) merge a range of lines through (Bottom of file) (same as (4))

Toggles affecting the output of this command: V.

Pointer after command completion:

if any lines merged: at the last (or only) line merged into the workfile.

if no lines merged: unchanged.

--> >>> Line Mi

+1+ <3ottom of file>

Fxample:

```
U> CANDE
   NETED suspended for 30 minutes (suicide at 3:13!).
   To resume: ? 1234 HI
u> LIST MRG : U
   #FILT (user)MGP ON DINSRDC
   Line M1
   Line M2
   Line M3
u> ? 1234 HI
   #?
'u> RA $
   -2- <Top of file>
   -1- line n-1
--> >>> line n
   +1+ line n+1
   +2+ (Bottom of file)
u> M MRG
        3 tines read from (user) MRG.
U> RA
   -1- Line 42
--> >>> Line M3
   +1+ Line n+1
u> $ M MRG 1
        1 lines merged from (user)MRG.
u> RA
   -1- time n+1
```

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MO (MOve)

(Move) MO

MO <amount to move> <destination>

Move lines to the specified place, deleting the original lines.

<amount to move> is (nlines> -- a specific number of lines

If preceded by a minus sign (-), the pointer points to the first of the moved lines.

<destination> is one of:

TO (line#) -- after line (line#)

+ <nlines> -- after current line + <nlines>

- (nlines) -- after current line - <nlines

If the lines have been moved successfully, one of the messages:

<n> lines moved, inserted after line <m>.

<n> lines moved, inserted after (top-of-file)

<n> lines moved, inserted at <bottom-of-file>

See CO, DUP.

Toggles affecting the output of this command: V.

Pointer after command completion:

if <nlines>: at the last line moved.

if - (nlines): at the first line moved (in its new position).

+2+ <Bottom of file>

Examples:

```
4) P 5
    <Top of file>
    Line 1
    line 2
    tine 3
--> line 4
 u> 2 MO 1 + 1
    1 lines moved, inserted after line 2 (updated).
u> 0 P 5
   <Top of file>
    tine 1
    line 3
    line 2
--> line 4
u> 1 MO -2 TO $
   2 lines moved, inserted at <Bottom-of-file>.
U> RA $
   -1- <Top of file>
    -2- time ?
    -1- line 4
--> >>> line 1
   +1+ Line 3
```

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N (go to Next-th line)
<cr> (go to next line)
- (go pack 1 line)

(go to Next-th line) N
(go to next line) <cr>
(go back 1 line) -

N <nlines>

Move the pointer foward (nlines) lines.

If <nlines) is omitted, the pointer is moved to the next line.

Two short forms are available to move forward (<cr>) or backward (-) one line.

Toggles affecting the output of this command: V. #.

Pointer after command completion:

N : at current line + <nlines>

<cr>: at current line + 1

- : at current line - 1

## Examples:

u> #
Show line numbers set.

u> P - 2

--> 26 line 26 line 27

u> <cr>>

--> 27 Line 27

u> -

--> 26 Line 26

u> N 10

--> 36 tine 36

P (Print)
PH (Print Backward)
PD (Print Double-spaced)
Cline#>

(Print) P (Print Backward) PB (Print Double-Spaced) PD <line#>

P (nlines) ((cols))
PB (nlines) ((cols))
PD (nlines) ((cols))
(line#)

Print <nlines> lines forward (P/PD/<line#>) or backward (PB) starting with the current line. Use P/PR for single-spaced list; PD for double-spaced list.

<nlines) is the number of lines to be printed. It prints the current line and the next (or next preceding) <nlines>-1 lines. If <nlines> is omitted, only the current line is printed. If <nlines> is preceded by a minus sign, \*-\*, the pointer is returned, after printing, to its original position.

If (<cols>) is specified, only those columns are printed. If not specified, the entire line is printed.

!<line#>! is the same as !<line#> D 1!.

Toggles affecting the output of this command: #.

Pointer after command completion:

if <nlines>: P/PD : current line + <nlines> - 1.

pra : current line - <nlines> + 1.

if - <nlines>: unchanged.

if just <line#> : at line <line#>.

### Examples:

\_\_\_\_\_

Print 4 lines:

 u> P 4
 u> P -4

 line n
 --> line n

 line n+1
 line n+1

 line n+2
 line n+2

 --> line n+3
 line n+3

#### Print 4 lines starting at line 417:

 u> 417 P 4
 u> 417 P -4

 line 417
 --> line 417

 line 418
 line 418

 line 419
 line 419

 --> line 420
 line 420

Print columns 3-7 of the lines starting at line 417:

u> 417 P 5 (3-7) ne 41 ne 41 ne 41 ne 42 --> ne 42

u> 417 P -5 (3:5) --> ne 41 ne 41 ne 41 ne 42 ne 42

Print entire file from any place in the file:

u> 0 P \$ <Top of file> Line 1 last line --> <8ottom of file>

u> 0 P -\$ --> <Top of file> line 1 last line <Bottom of file>

Print line 1736:

u> 1736 --> this is line 1736 -----

PA (Print all) PDA (Print Double-spaced All)

(Print ALL) PA (Print Double-spaced All) PDA

PA ((cols)) PDA (<cols>)

Print all lines single-spaced (PA) or double-spaced (PDA). <Top of file) and <Bottom of file) are not printed.

If (<cols>) is specified, only those columns are printed. If not specified, the entire line is printed.

Toggles affecting the output of this command: #-

Pointer after command completion: unchanged.

### Examples:

u> P --> This is line number 15 u> PA <first line> <second line> <last line> u> P --> This is time number 15 PFN (change Permanent File Name) (change Permanent File Name) PFN

PFN <filename> PFN ?

Change the name of the workfile to <filename>.

If <filename> already exists and has different attributes (MAXRECSIZE and BLOCKSIZE), an error message is typed.

If there is a syntax error in <filename>, an error message will be printed if the Verify toggle is set.

'PFN ?' will display the current permanent file name.

Toggles affecting the output of this command: V.

Pointer after command completion: unchanged.

Example:

U> PEN MY/NEW/FILE Warning - attributes differ.

- U> PEN ANOTHER/NAME
- u> PFN ? (user) ANOTHER / NAME.

PH (Print in Hexadecimal) PHE (Print in Hex and Ebcdic)

(Print in Hexadecimal) PH (Print in Hex and Fhedic) PHE

PH (nlines) (<cols>) PHE <nlines> (<cols>)

Print (nlines) lines in hexadecimal (PH) or EBCDIC and hexadecimal (PHE).

<nlines> is the number of lines to be printed. It prints the current line and the next <nlines>-1 lines. If <nlines> is omitted, only the current line is printed. If <nlines> is preceded by a minus sign, "-", the pointer is returned, after printing, to its original position.

If (<cols>) is specified, only those columns are printed. If not specified. the entire line is printed.

Printing is controlled by the PHWIDTH setting (line width). Long lines are broken at a multiple of 10 characters.

See PHWITDH.

-------------

Toggles affecting the output of this command: V, #.

Pointer after command completion: If <nlines>: current line + <nlines> - 1. If - <nlines>: unchanged.

### Examples:

Print 2 lines in EBCDIC and hex:

u> PHE -2 --> line n 989849 44444 44444 ... 395505 000000 000000 ...

> line n +1 989849 4F4444 44444 ... 395505 £10000 000000 ...

### Print 2 lines in hex:

u> PH 2 989849 44444 44444 ... 395505 000000 000000 ...

--> 989849 4F4444 44444 ... 395505 E10000 000000 ... PHWIDTH (set PH/PHE terminal WIDTH) (set PH/PHE terminal WIDTH) PHWIDTH

PHWIDTH <nchar> PHWIDTH PHWIDTH ?

Define the terminal line width in characters for the PH and PHE commands. commands.

\*PHWIDTH\* will reset the terminal width to 72.

'PHWIDTH ?' will display the current setting.

Default: 72.

Toggles affecting the output of this command: V.

Pointer after command completion: unchanged.

Examples:

u> PHWIDTH ? Terminal width = 72 US PHWIDTH 80 Terminal width = 80 POP (POP a toggle)

(POP a toggle) POP

POP (toggle list)

Change the setting of each listed toggle to its next previous setting.

At most 46 settings of a toggle, including the current setting, are retained. When all stacked settings are POPped, the toggle will be reset.

<toggle list> is one or more of the toggles (except period '.').
If an option appears more than once, each is processed and stacked for later access by POP.

See RESET. SET.

Toggles affecting the output of this command: none.

Pointer after command completion: unchanged.

Examples:

u>	SET V #				
	* Verify set				
	* Show line numbers	set.			;
u>	RESET V			:	:
	% Verify reset.			;	;
u>	SET V		;	1	:
	% Verify set.		:		:
11>	POP V		•	:	:
	* Verify reset.			1	:
u>	POP # V			1	1
	* Show Line numbers	set.			1
	* Verify set				

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PIOS (Print TO String)
PINS (Print Including String)

(Print TO String) PTOS
(Print INcluding String) PINS

PTOS (string test)
PTOS (<cols>) (string test>

PINS (string test)
PINS (<cols) (string test)

Print all lines starting with the current line through and including (PINS) or not including (PTOS) the first line satisfying the <string test>.

If (<cnls>) is specified, only those columns are printed. If not specified, the entire line is printed.

Toggles affecting the output of this command: V. H.

Pointer after command completion: at the last line printed.

#### Examples:

u> P u> P --> <Top of file> --> <Top of file> u> PTOS F Line 3 u> PINS F line 3 <Top of file> <Top of file> line 1 line 1 --> line 2 Line 2 --> line 3 u> PINS (6) F line 3 u> PTOS (6) F line 3 <Top of file> <Top of file> 1 --> 2 2 --> 3

Q (Query toggle)

(Query toggle) Q

Q

Flip the toggle which controls the 'TO <string>' commands (DINS/DTOS/WINS/WTOS/WDINS/WDTOS, but not PINS/PTOS).

When the query toggle is set. NETED will print the line satisfying the <string test> and prompt with \*>?\*. The user must respond with:

Y or C -- to continue the command N or Q -- to abort the command

The Query toggle also affects the VERSION command. When the toggle is reset, NETED does not print the line or ask permission to complete the command.

When VERSION is executed with Query set. the user is asked if earlier VFRSION updates are desired. With Query reset, all VERSION updates are listed.

Default: set.

Toggles affecting the output of this command: none.

Pointer after command completion: unchanged.

Examples:

u> Q Query reset.

u> Q Query set. Nov 1982 Rev0

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QUIT

DUIT

QUIT

Terminate NETED immediately. The workfile is not saved.

QUIT is not valid when working in the alternate workfile.

If the current workfile has not been saved, NETED will respond with:

Workfile not saved.

--> This is line number 15

Enter 'Y' or 'C' to continue, or 'N' or 'Q' to abandon the EDIT command and regain the current workfile.

See DIR. SAVE.

Toggles affecting the output of this command: none.

Pointer after command completion: does not apply.

Example:

u> QUIT
>ET=<et> PT=<pt> I0=<io>

R (Replace)

(Replace) R

R <string>

Replace the current line.

See page 1-9: Strings in NETED.

See STR.

Taggles affecting the output of this command: none.

Pointer after command completion: unchanged.

Example:

u> P

--> the current line

u> R A new Line.

u> P

--> A new line.

RA (RAnge)

(RAnge) RA

RA (ntines)

List the current line and <nlines> lines on either side. Lines in front are prefixed with \*-\*; lines after are prefixed with \*+\*. The current line is prefixed with \*>>> . If <nlines> is omitted, one line on either side is listed.

Toggles affecting the output of this command: #.

Show-line-numbers toggle:

set : line number of current line is shown.

reset: current line preceded by \*>>>\*.

Pointer after command completion: unchanged.

Examples:

- 1) u> RA -1- line n-1 --> >>> current line +1+ line n+1
- 2) u> SET # u> LN Line 49 u> RA 2 -2- line n-2 -1- line n-1 49> current line +1+ Line n+1 +2+ line n+2

RFC (edit a R-Covery file)

fedit a RECovery file) REC

PEC PEC ?

If NETED/WORKFILE/RECOVERY/<recovery number> exists, the NETED workfile re-initialized. The specified recovery file is edited into the workfile and the recovery file is removed.

If the recovery fite does not exist, the current workfile remains unchanged.

\*REC ? will list any recovery or temporary files.

See TEMP.

Togales affecting the output of this command: V.

Pointer after command completion: at <top-of-file>.

### Examples:

u> RA -1- <Top of file> --> >>> line 1 +1+ line 2

u> REC ? Neted recovery file(s) present: REC 970

u> REC 970 <same as for EDIT \*REC 970\*>

u> P --> <Top of file>

u> REC ?
No recovery files.

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RESET (RESET a toggle)

(RESET a toggle) RESET

Reset each of the toggles in the <toggle list>. The previous setting, up to a total of 46 settings, is retained for each toggle.

<toggle list' is one or more of the toggles (except period '.').
If an option appears more than once, each is processed and stacked for
later access by POP.</pre>

See POP. SET.

\_\_\_\_\_

Toggles affecting the output of this command: none.

Pointer after command completion: unchanged.

Examples:

u> RESET V #
Verify reset.
Show line numbers reset.

•

SAVE (SAVE workfile, exit NETFO) (SAVE workfile, exit NETED) SAVE

SAVS (filename) SAVE

The workfile is saved as <filename> and NETED is terminated. If <filename> is omitted, the <filename> is the first of:

1) the <filename> from the most recent EDIT;

2) the (filename) from the RUN \*NETED statement. If <filename> was a recovery or temporary file, the original <filename> is used.

If the file belonged to the user and had non-default security information and <filename> was omitted, that security information will be inherited by the new file. In all other cases, NETED will save files with the active default security (Private (1/0).

If <filename already exists, the message

File exists, rename old version or <cr>.

is typed. Fnter one of:

- 1) cr> to replace the existing file;
- 2) a new <filename> to be used to rename the existing file before saving the workfile;
- 3) . (or any invalid <filename>) to terminate the command.

When the workfile is saved, the following message is typed:

n lines written to (filename).

If 'SAVE:S' is specified, the lines are squished.

SAVE is not valid when working in the alternate workfile.

Note: SAVE is the same as W followed by QUIT.

Toggles affecting the output of this command: AUTOBACKUP, V.

Pointer after command completion:
if successful : does not apply.
if not successful: unchanged.

### Examples:

- 1) u> SECURITY MYFILE PUBLIC IN
  - u> RUN \*NETED (\*MYFILE\*)
  - u> SAVE
    File exists, rename old version or <cr>>...
  - u> <cr>
    Backed up.
    Security = public (in).
    1475 lines written to MYFILE.
    >FT=<et> PT=<pt> I0=<io>
- 2) US SECURITY MYFILE PRIVATE TO
  - u> RUN \*NETED ("MYFILE")
  - u> SAVE MYNEWFILE

    Backed up.

    1475 lines written to MYNEWFILE.

    >ET=<et> PT=<pt> 10=<io>
- 3) U> RUN +NETED ("MYFILE")
  - u> SAVE XYZ
    File exists, rename old version or <cr>>.
  - u> XYZ/OLD
    XYZ changed to XYZ/OLD
    Backed up.
    1475 lines written to XYZ.
    >ET=<et> PT=<pt> 10=<fo>
- 4) U> RUN +NETED ("X")

u> SAVE % inherits security

- 4) u> RUN \*NETED ("X")
  - u> SAVE X
    % uses default security

SEQ (SEQuencing)

(SEQuencing) SFQ

SEQ <base> + <incr>
SEQ<br/>
SeQ<br/>
SeQ 2

Change the output line sequencing. <base> is the starting sequence number used for the first line written. <incr> is the increment. Thus, the second line written will have sequence number <base>+<incr>; the third line, <base>+2\*<incr>; etc.

SEQ affects the sequence numbers, if any, for the write commands only (SAVE/W/WDL/WDTOP/WDTOS/WL/WTOP/WTOS).

SEQ is not valid for BASIC. CDATA or DATA files.

'SEQ' restores the default (same as SEQ 1 + 1).

'SEQ ?' will display the current <base> and <incr>.

Default: 1+1.

Toggles affecting the output of this command: V.

Pointer after command completion: unchanged.

Examples:

u> SEQ ?
 base + incr = 1 + 1
u> SEQ 100+100
 base + incr = 100 + 100
u> SEQ
u> SEQ ?
 base + incr = 1 + 1

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SET (SET a toggle)

(SET a toggle) SET

SET (toggle list)

Set each of the toggles in the <toggle list>. The previous setting, up to a total of 45 settings, is retained for each toggle.

<toggle list> is one or more of the toggles (except period ".").
If an option appears more than once, each is processed and stacked for later access by POP.

See POP. RESET.

Toggles affecting the output of this command: none.

Pointer after command completion: unchanged.

Examples:

u> SET V #

SLOW (SLOW/fast print toggle)

(SLOW/fast print toggle) SLOW

SLOW

When this toggle is set. NETED will prevent backspaces from being used instead of carriage returns, that is, every line will be printed from left to right. This allows lines to be printed properly on terminals which cannot backspace.

When SLOW is reset, printing is done in the normal system manner.

SLOW affects all print (or implied print) commands and is independent of the system (ctrl-z) toggle.

Default: reset.

Toggles affecting the output of this command: none.

Pointer after command completion: unchanged.

Examples:

u> SLOW Slow printing set.

u> SLOW Slow printing reset. SR (Shift Right)

(Shift Right) SR

SR <ncols> <nlines>

Shift lines to the right by adding cncols> blanks at the start of each tine.

<nlines> is the number of lines to be shifted. It shifts the current line and the next <nlines>-1 lines. If <nlines> is omitted, only the current line is truncated. If <nlines> is preceded by a minus sign, \*-\*, the pointer is returned, after the change, to its original position.

This is shorthand for C //<ncols blanks>/ <nlines>; or for the group: LM <ncols>+1; LEFT <nlines>; LM.

See A/AL/AR, K/KL/KR, TL/TR.

Toggles affecting the output of this command: V-

Pointer after command completion: if <nlines>: current line + <nlines> - 1. if - <nlines>: unchanged.

Examples:

u> P --> Line to be shifted. u> SR 5 --> Line to be shifted. STAS (Set TAB)

(Set TAB) STAB

STAR tabch table tab?, ...
STAB tabch base + incr
STAB tabch table tab?, ..., base + incr
STAB tabch
STAB
STAB?

Define the tab character (tabch) and up to 30 tab columns. The tab character may be any character except space and question mark (?).

- 1) a list of up to 30 tab columns, comma-separated. Each tabi must be less than tabj for icj.
- 2) base + incr. Thirty tabs will be defined at base, base+incr, base+2\*incr, base+29\*incr.
- 3) one or more comma-separated tab columns followed by a single base+incr.

Pre-defined tabs (base+incr) and maximum line lengths are as follows:

```
- 3+2
                  (72 characters)
       - 5+2
BASIC
                  (72 characters)
BINDER - no tabs (72 characters)
       - no tabs (80 characters)
CDATA
       - 4+4
                  (66 characters)
COBOL
CSEQ
       - no tabs (74 characters)
DASDL
       - 3+2
                  (72 characters)
DATA
       - no tabs (80 characters)
DCALGOL - 3+2
                  (72 characters)
DMALGOL - 3+2
                  (72 characters)
       - 3+2
ESPOL
                  (72 characters)
FORTRAN - 7+3
                  (72 characters)
                                       (fixed format)
FREE
       - 3+2
                  (66 characters)
                                       (free format Fortran)
       - 3+2
                  (80 characters)
Joa -
       - 5+2
                  (72 characters)
NDL
       - 3+2
                  (72 characters)
NEWP
PASCAL - 3+2
                  (72 characters)
       - 3+2
                   (72 characters)
PLI
       - no tabs (72 characters)
SEG
```

'STAB' by itself will clear the tab character and tab columns.

If the tabs have been cleared, "STAB tabch" without any tab settings, will restore the tabs to the most recent definition. Otherwise, "STAB tabch" changes the tab character.

\*STAB ?" will list the tab character and tab columns.

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Toggles affecting the output of this command: V.

Pointer after command completion: unchanged.

# Examples:

- u> STAR \* 11,21,31,41,46,51,56,61
- u> STAB ?
  Tab character = ^ tab stops = 11, 21, 31, 41,
  46, 51, 56, 61, 64, 67, 70, 73, 76, 79, 82, 85, 88,
  91, 94, 97,100,103,106,109,112,115,118,121,124,127.
- u> STAB \ 7+7 u> STAB ? Tab character = \ tab stops = 7. 14, 21, 28, 35, 42, 49, 56, 63, 70, 77, 84, 91, 98, 105, 112, 119,

126,133,140,147,154,161,168,175,182,189,196,203,210.

u> STAB u> STAB ? No tabs set. STORE (STORE on remote storage)

(STORE on remote storage) STORE

STORE:S Colines>

Write lines to an auxiliary storage device, such as a floppy disk or cassette tape.

If (nlines) is omitted, the entire file is written.

STORE send a 902 ("start write"), then the workfile lines (each followed by LF CR, then 903 ("stop read") and 904 ("stop write").

If ":S" is specified, no "DC" codes are sent to the terminal and the "lines stored" messages is not typed.

This command is known to work for the following: .

 Techtran 9512 floppy disk drive connected between an Omron terminal and the modem.

One use of this command is to transfer files from the B7700 to the COC 6000/Cyber 74.

Since execution of this command is limited by the terminal's baud rate and may take quite a while, the final line rings the bell five times to signal completion.

See	ENTER.	

Toggles affecting the output of this command: none.

Pointer after command completion: unchanged.

Examples:

u> -V:WHAT FORTRAN 642 Lines.

u> STORE

<!red color="block"><!red color="block"><!red color="block"><!red color="block"></red color="block"><

STR (list current STRings)

(list current STRings) STR

STR

List the current definitions of the strings which can be remembered by NETED: A/AR (string), AL (string), C/(string1)/(string2), F (string) (L. S. XS. and their variants).

The list, which will show the <esc> sequence which may be used to refer to any of the strings, has the following format:

Currently-	defined	strings:	
command	<esc></esc>	length	<pre><string></string></pre>
F/L/S/XS	0	nnn	<pre><string command="" f="" fa="" from="" l="" la="" most="" recent="" s="" sa="" xs="" xsa=""></string></pre>
r 1	1	กกก	<pre><string1 c="" command="" from="" most="" recent=""></string1></pre>
C 2	2		<pre><string2 c="" command="" from="" most="" recent=""></string2></pre>
A/AR	3	กกก	<pre><string a="" ar="" command="" from="" most="" recent=""></string></pre>
AL	4		<pre><string al="" command="" from="" most="" recent=""></string></pre>
1	5		<pre><string command="" from="" i="" most="" recent=""></string></pre>
R	6	nnn	<pre><string command="" from="" most="" r="" recent=""></string></pre>

Toggles affecting the output of this command: none.

Pointer after command completion: unchanged.

# Examples:

u> STR Currently-defined strings:

command	<esc></esc>	length	<string></string>
F/L/S/XS	0	22	the last search string
C 1	1	9	abcdefghi
C 2	2	0	_
A/AR	3	19	the <string test="">.</string>
AL	4	2	of
I	5	25	This is an inserted line.
R	6	19	A replacement line.

T (Top of file)

(Top of file) T

Ţ

Move the pointer to the top of the file.

Toggles affecting the output of this command: V.

Pointer after command completion: at <Top of file>. rxample:

> u> RA -1- previous line --> >>> current line +1+ next line u> T --> <Top of file>

TEMP (edit a TEMPorary file)

(edit a TEMPorary file) TEMP

TEMP (temporary number) TEMP ?

The NETED workfile is cleared and re-initialized. The specified temporary file is edited into the workfile and the temporary file is removed.

\*TEMP ?\* will list any temporary files.

Toggles affecting the output of this command: V.

Pointer after command completion: at <top-of-file>.

Examples:

u> RA -1- <Top of file> --> >>> line 1 +1+ Line ? u> TEMP ? TEMP 1265 u> -V : TEMP 1265 <same as for EDIT "TEMP 1265"> u> P --> <Top of file> U> TEMP ? No temporary files.

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II (Times)

(Times) II

ΤĮ

Show elapsed, processor and IO times used and the processor time remaining.

Toggles affecting the output of this command: none.

Pointer after command completion: unchanged.

Swample:

u> TI >ET=<et> PT=<pt> I0=<io> >Remaining PT=<pt>

TL (Truncate columns on the Left) (Truncate columns on the Left) TL TR (Truncate columns on the Right) (Truncate columns on the Tight) TR

TL <ncols> <nlines>

TR <ncols> <nlines>

Shorten Colines > lines by truncating columns on the left (TL) or right (TR).

<nlines> is the number of lines to be truncated. It truncates the
current line and the next <nlines>-1 lines. If <nlines> is omitted,
only current line is truncated. If <nlines> is preceded by a minus
sign, \*-\*, the pointer is returned, after the change, to its original
position.

See A/AR/AL. K/KL/KR. SR.

Toggles affecting the output of this command: V.

Pointer after command completion: unchanged.

# Examples:

u> P

--> This line was too long (by 18 characters)

u> TR 18

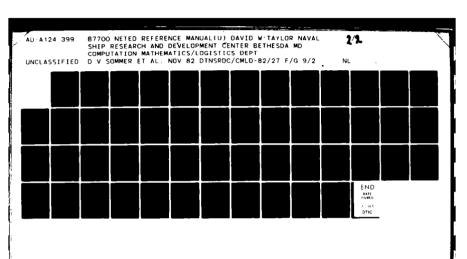
--> This line was too long

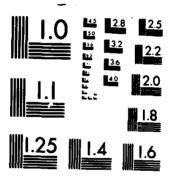
u> P

--> This line was too long (by 1% characters)

u> TL 18

--> long (by 18 characters)





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TRANS (change TRANSlate table)

(change TRANSlate table) TRANS

TRANS (Ebl)

Change the translate table used for printing at the terminal.

<tbl> is one of the following:

- non-graphic to ?
 (All non-printing characters will be changed to ?
 before printing.)

omitted - same as 0

\*TRANS ?\* will show the current table.

See PH. PHE.

Default at RUN time: 1.

Toggles affecting the output of this command: V.

Pointer after command completion: unchanged.

Examples:

u> TRANS ?
 TTY Output translation = non-graphic to ?.
 Translate table menu:
 0 = full ASCII
 1 = non-graphic to ?

2 = non-graphic to f 2 = non-graphic to blank.

u> TRANS TTY Output translation = EBCDIC to ASCII. V (Verify toggle)

(verify toggle) V

٧

Flip the verify toggle switch.

When the verify toggle is set, all generated NETED lines are typed.

When the verify toggle is reset, lines relating to changes, pointer movement and file reading and writing are not typed. Search-all commands will list only the line numbers.

Error messages are always typed.

Default: set.

-----

Toggles affecting the output of this command: none.

Pointer after command completion: unchanged.

Examples:

u> V Verify reset.

u> N+5

u> P

--> line 6

u> V

Verify set.

u> N+5

--> line 11

VERSION (NETED news)

(NETED news) VERSION VER

VERSION VER

tist the compile date and time for the current version of NETFD. Also list any modifications to NETFD.

If query is set. 'More?' is typed and the user must respond with:
Y or C -- print the next most recent version description
N or Q -- terminate the command
This continues until N or Q is entered or all descriptions have been typed.

If query is reset, all previous version descriptions are listed without question. "END OF VERSION" signals the end of the list.

VER lists the information for just the current version of NETED.

Toggles affecting the output of this command: Q.

Pointer after command completion: unchanged.

Example:

ADDITIONS:

•••

CHANGES:

•••

PATCHES (corrected bugs):

•••

BUGS

No known bugs.

More ?

u>

NETED VERSION (version) compiled on (date) 8 (time)

More ?

u> y

END

END OF VERSION

# (Brite)

(Write) W

W <filename>

The entire workfile is saved as file <filename>. If <filename> is omitted, the <filename> is the first of:

- 1) the <filename> from the most recent EDIT;
- 2) the <filename> from the RUN \*NETED statement.

If <filename> was a recovery or temporary file, the original <filename> is used.

If the file belonged to the user and had non-default security information and <filename> was omitted, that security information will be inherited by the new file. In all other cases, NETED will save files with the active default security (Private (I/O).

If <fflename> already exists, the message

File exists, rename old version or (cr).

is typed. Enter one of:

- (cr) to replace the existing file;
- a new (filename) to be used to rename the existing file before saving the workfile;
- . (or any other invalid (filename)) to terminate the command.

when the workfile is saved, the following message is typed:

n lines written to <filename>.

If the file helonged to the user and had non-default security information and <filename > was omitted, that security information will be inherited by the new file. In all other cases, NETED will save files files with the active default security (Private (1/0).

If 'W:S' is specified, the file is sauished.

Toggles affecting the output of this command: AUTOBACKUP, V.

Pointer after command completion: unchanged.

## Examples:

- u> RUN \*NETED ("MYFILE")
- u> W
  - File exists, rename old version or <cr>.
- u> <cr>
   Racked up.
   1475 Lines written to MYFILE.
- U> RUN \*NETED ("MYFILE")
- u> W MYNEWFILE 1475 lines written to MYNEWFILE.
- u> RUN +NETED ("MYFILE")
- u> W XYZ
  File exists, rename old version or <cr>.
- u> XYZ/OLD XYZ changed to XYZ/OLD 1475 lines written to XYZ.

WHAT (workfile attributes)

(workfile attributes) WHAT

WHAT

List information about the workfile. If there are any directives in the alternate workfile, a line count is also given.

If verify is reset, a short form of the information is typed.

Toggles affecting the output of this command: V.

Pointer after command completion: unchanged.

# Examples:

- U> WHAT (user) MYFILE workfile is COBOL Truncation length = 72 Surrent number of lines = 1492 TTY output translation = non-graphic to ?. QUERY reset. VERIFY set. show line #'s set. AUTOBACKUP Maxrecsize = 14 words Security = private (I/O)
- TAHW : V- CU (user) MYFILF COBOL tr=72 1492 records Set: V. # AUTOBACKUP
- HA CE (user) MYFILE2 Workfile = CDATA Truncation length = 80 Current number of Lines = 263 TTY output translation = non-graphic to ?. Current number of directives = 4 QUERY set, VERIFY set, show line #'s reset, NOBACKUP Maxrecsize = 80 characters Security = public (in).
- u> -V : WHAT (user) MYFILE2 CDATA tr=80 263 lines 4 directives Set: Q V.

WL (Write Lines) WDL (Write & Delete Lines)

(Write Lines) WL (Write & Delete Lines) WDL

W. Knlings> (filename)

WDL <nlines> <filename>

Write (WL) or write-and-delete (WDL) <nlines> lines, starting with the current line, to file (filename).

<nlines> is required.

If <filename> already exists, the message

File exists, rename old version or (cr).

is typed. Fnter one of:

------

- (cr) to replace the existing file;
- a new <fflename> to be used to rename the existing file before saving the workfile;
- . (or any other invalid <filename>) to terminate the

When the workfile is saved, the following message is typed:

n lines written to <filename>.

If 'WL:S' or 'WDL:S' is specified, the lines are squished.

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Toggles affecting the output of this command: AUTORACKUP. V.

Pointer after command completion:

ML : unchanged.

WOL: current line - 1.

# Examples:

u> VL 26 FILF1
25 line written to FILF1.

u> 147 WL:S 130 FILE? File exists, rename old version or <cr>>...

u> <cr>
 File squished.
 130 lines written to FILE2.

WIOP (Write TO Pointer) (Write TO Pointer) WTOP WOTOP (Write & Delete TO Pointer) (Write & Delete TO Pointer) WOTOP

**WTOP <filename>** WDTOP (filename)

Write (WTOP) or write-and-delete (WDTOP) all lines from the top of the file up to, but not including, the current line into file <filename>.

If <fflename> already exists, the message

File exists, rename old version or <cr>.

is typed. Enter one of:

- (cr) to replace the existing file;
- a new <filename> to be used to rename the existing file before saving the workfile;
- . (or any other invalid (filename)) to terminate the command.

When the workfile is saved, the following message is typed:

n lines written to (filename).

If 'WTOP:S' or 'WDTOP:S'' is specified, the lines are squished.

Toyales affecting the output of this command: AUTOBACKUP, V.

Pointer after command completion: unchanged.

Examples:

u> LN Line 47 u> WTOP FILE3 46 lines written to FILE3.

U> 924 WTOP FILE4 923 lines written to FILE4. WIOS (Write TO String) WDTOS (Write & Delete TO String) (Write & Delete TO String) WDTOS

(Write TO String) WTOS

WINS (Write Including String) WDINS (Write & Del INcl String)

(Write Including String) WINS (Write & Del Incl String) WDINS

WTOS (filename) (string test)

WOTOS (filename) (string test)

WINS (filename) (string test)

WDINS <filename> <string test>

Write (W.-S) or write-and-delete (WD.-S) lines, starting with the current line up to and including (WINS/WDINS) or not including (WTOS/ WDTOS) the first line which satisfies the (string test).

The (string test) has one of the following forms:

F <string>

L <string>

S (<cols>) <string>

XS (<cols>) <string>

which have the same meanings as when used alone as commands.

If query is set, the line satisfying the (string test) is typed. this is the desired terminating line, respond Y or C; if not, respond N or Q.

If <filename> already exists, the message

File exists, rename old version or (cr).

is typed. Enter one of:

- (cr) to replace the existing file;
- a new <filename> to be used to rename the existing file before saving the workfile;
- . (or any other invalid (filename)) to terminate the command.

When the workfile is saved, the following message is typed:

n lines written to <filename>.

....

If \*W..S:S\* or \*WD..S:S\* is specified, the lines are squished.

foggles affecting the output of this command: AUTOBACKUP, Q, V, #.

Pointer after command completion:

WTOS: unchanged

WOTOS: current line - 1.

### "xamples:

u> P -5 --> The quick brown fox jumped over the lazy dog\*s back.

u> ? Query off.

u> WTOS FILES L the 3 lines written to FILES.

u> 0

Query on-

u> WOTOS FILE6 F do dog\*s ?>

u> Y

4 lines written to FILE6.

u> P -2

--> the line before "The quick brown" back.

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X (column markers) (column markers) X

X (ncols>

A line is typed marking (ncols> columns. If (ncols> is omitted; the maximum line length is used.

Toggles affecting the output of this command: none.

Pointer after command completion: unchanged.

Examples:

u> X 35 ....5...10...15...20...25...30...35 u> WHAT (user)MYFILE .... Truncation length = 72 .... u> X ....5...10...15 ....65...70...

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(change mode toggle)

(change mode toggle) .

Change the mode of NETED from Edit-to-Input or from Input-to-Edit. The name of the mode being entered is always typed in response to this .bnemmoo

when in Edit mode, all NFTED commands may be entered.

When in Input mode, this command is the only NETED command recognized.

Default: If the file being edited exists: Edit mode. If the file does not exist : Input mode.

Inggles affecting the output of this command: none.

Pointer after command completion: Edit-to-Input: unchanged. Input-to-fdit: at the last line entered in Input mode.

#### Examples:

u> RUN +NETED (" ") B7700 NETFO Workfile is FORTRAN (fixed format) Truncation length = 72 Tab character = tab stops = 7. 10. 13. 16. ... Input.

u> . Edit.

u> • Input.

u> EDIT "JOB/RUNPROG" Workfile is JOB Truncation Length = 72 Tab character = \ tab stops = 3, 5, 7, 9, ... 13 lines read from (user)JOB/RUNPROG. Fdit.

u> P -\$ --> <Top of file> <Bottom of file> # (show line numbers roggle)

(show line numbers toggle) #

Ħ

Flip the show-line-numbers toggle.

When this toggle is set, commands which cause lines in the workfile to be listed will also list the line number.

when this toggle is reset, line numbers will not be listed.

Default: reset.

Toggles affecting the output of this command: none.

Pointer after command completion: unchanged.

fxamples:

u> P

--> this is line 17

u> #

Show line numbers set.

u> P

--> 17 this is line 17

: (repeat last command)

::

(repeat last command) =

Repeat the last command. Only the actual command portion of the last command may be re-executed. The tine#> and <toggles> are not
<TOGGLES> ARE NOT retained, but may be re-entered with this command.

The only class of commands which cannot be repeated is:
commands which only move the pointer: No <cr>, -.

Ingales affecting the output of this command: none.

Pointer after command completion: depends on command being re-executed.

#### Examples:

% (type at terminal)

(type at terminal) %

% <string>

---------

Type a line at the terminal. Both the '%' and the <string> are typed.

One use of this is to provide comments in a DO-file.

Another use is to quickly test the terminal and phone lines if it appears that there may be transmission problems.

Toggles affecting the output of this command: V.

Pointer after command completion: unchanged or at line <abs>.

Examples:

u> % This is a comment. % This is a comment. \*\*\* A Summary of the NFTED Commands by Function \*\*\*

The following terms are used in the description of NETEO commands:

<cols>

Column range. It has one of the following forms:

coll -- a single column

(for string commands, the string must
start in this column)

collincols -- a starting column and a number of columns (for string commands, the string must start within these columns) (ncols = \$ means maximum line length)

coll-col? -- a range of columns
(for string commands: the string must be
within these columns)
(col2 = \$ means maximum line length)
(col1-\$ and col1:\$ are the same)

<fram> - <to>

Selects one or a range of lines to be merged from a file. \*<from>-\$\* merges lines <from> through end-of-file.

<from> : <nlines>

Selects <nlines > lines to be merged from a file. "<from>:\$" merges lines <from> through end-of-file. (<from>:\$ and <from>-\$ are the same)

<nlines>

As a separate parameter, it is the number of lines to be processed by the command. It is either a whole number, <n>, meaning process <n> lines. If <nlies> is preceded by a minus sign, \*-\*, the pointer is returned, after processing, to its position before the command was executed.

<string>

Any string of EBCDIC characters. Trailing blanks are significant.

<string test>

Used in the 'TO String' commands. It has the same format as the F, L, S, or XS commands. For example, DTOS S (7:3) END

•

Any command, except - and (cr), may be preceded by an absolute line number. When it is, the pointer is positioned at that line before the command is executed. If there is a syntax error in the command, the pointer will be at its new position.

Any command may be preceded by one or more (comma- or blank-separated) toggles followed by a colon (:). This will change the toggle(s), for that command only, as follows:

- <taggle> -- flip the toggle
- + <taggle> -- set the toggle
- <toggle> -- reset the toggle

The general syntax of a NETED command is:

[ cline#> ] [<toggles> : ] <command> [ : <options> ] [ <parameters> ]

SET <toggle list>

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## Toggles and Switches Page Command and Description 2-3 **AUTOBACKUP** Change existing (filename) to BACKUP/<filename> for all writes. (Default: set) 2-10 CAPS Caps lock toggle. Controls input upper/lower case translation. (Default: reset) 2-3 NOBACKUP Reset AUTOBACKUP. User has option to rename existing <filename> before all writes. (Default: reset) 2-54 PHWIDTH <nchar> Befine the terminal line width for the PH and PHE commands. 2-55 POP (toggle list) Pop one or more toggles to their next previous setting. 2-57 G Query toggle. Controls most 'TO String' commands. (Default: set) 2-62 RESET <toggle list> Reset one or more toggles.

Set one or more toggles.

Page		Command and Description
2-67	SLOW	Set/reset slow print toggle. Controls printing without/with backspaces instead of carriage return.
2-77	TRANS (LDL) TRANS ?	Change translate table for terminal output- (Default: 1 (non-graphic to ?))
2-78	v ·	Verify toggle. (Default: set)
2-89	• (period)	Change-mode toggle. (Edit-to-Input or Input-to-Edit)
2-90	# (number)	Show-line-numbers toggle. (Default: reset)

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\*\*\* Commands Which Affect Commands \*\*\*

Page Command and Description

2-71 = (equal)

Repeat the previous command.

Commands Which Move The Pointer Without Changing the Workfile

Page	Command and Description
2-4	B Go to the bottom of the file.
2-24	F <string> FB <string> Find next (last) line containing <string> starting in column 1.</string></string></string>
2-24	L <string> LB <string> Locate the next (last) line containing <string> anywhere in the line.</string></string></string>
2-56	N (nlines)  Move the pointer (nlines) forward or backward.
2-49	P <nlines> (<cols>)</cols></nlines>
2-49	PB <nlines> (<cols>)</cols></nlines>
2-49	PD <nlines> (<cols>)</cols></nlines>
2-53	PH <nlines> (<cols>)</cols></nlines>
2-53	PHE <nlines> (<cols>) Print lines in EBCDIC and hexadecimal.</cols></nlines>
2-56	PINS (string test)  Print through and including the first line satisfying the (string test).
2-56	PTOS <string test=""> Print to, but not including, the first line satisfying the <string test="">.</string></string>
2-24	S ((cols)) (string) SR ((cols)) (string) Scan and print next (last) line which contains (string) in the specified column range.

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Page		Command and Description
2-73	T	so to the top of the file.
2-24	XS ( <cols>) <st XSB (<cols>) &lt;</cols></st </cols>	
2-48	<cr></cr>	Same as 'N 1'.
2-48	- (minus)	Same as "N -1".
2-48	<li><li><li><li></li></li></li></li>	Move the pointer to a specific line and print.

# Print Commands Which Never Move The Pointer

Page		Command and Description
2-26		ind all following (preceding) lines which contain (string) starting in column 1.
2-26		ocate all following (preceding) lines containing (string) anywhere in the line.
2-37	LPL <page length=""></page>	.ist page lengths.
2-51	PA ( <cols>)</cols>	Print all lines single-spaced.
2-51	PDA ( <cols>)</cols>	Print all lines double-spaced.
2-60	RA <nlines></nlines>	(RAnge). Print lines around the current line.
2-26	•	
2-26	•	

# \*\*\* Commands Which Alter Lines \*\*\*

Page	Command and Description
2-2	A <string> Append <string> to the end of the line.</string></string>
2-2	AL <string> Add <string> to the start of the line.</string></string>
2-2	AR <string> Add <string> to the end of the line. (Same as A.)</string></string>
2-5	BR <col/>
2-6	C / <string1>/<string2>/ (<cols>) *<ntimes> <ntines> <global> <? > Change <string1> to <string2> forward.</string2></string1></global></ntines></ntimes></cols></string2></string1>
2-6	CB / <string1>/<string2>/ (<cols>) +<ntimes> <nlines> <global> <? > Change <string1> to <string2> backward.</string2></string1></global></nlines></ntimes></cols></string2></string1>
2-12	CO <nlines> AT <line#> CO <nlines> +/- <mlines></mlines></nlines></line#></nlines>
2-15	D (nlines) Delete lines.
2-15	DB <nlines> Delete lines backward.</nlines>
2-18	DINS (string test)  Delete through and including first line satisfying the (string test).
2-17	DTOP Delete from <top file="" of=""> to pointer.</top>
2-18	DTOS <string test=""> Delete to, but not including, first line satisfying the <string test="">.</string></string>
2-19	DUP <pre>DUP <pre> Duplicate the current line <pre><pre> prese</pre></pre></pre></pre>

Page	Command and Description
2-28	FIX <nlines> FIX +/- Modify a line.</nlines>
2-32	FOLD ((cols)) (nlines) Change lower case to upper case.
2-36	I <string> Insert a tine.</string>
2-5	K <ncols> <nlines> KL <ncols> <nlines></nlines></ncols></nlines></ncols>
2-5	KR (ncols) (nlines)  Keep right-most columns.
2-46	MO <pre>MO <pre>MO <pre>MO <pre>fines&gt; +/- <mlines></mlines></pre></pre></pre></pre>
2-59	R <string> Replace a line.</string>
2-6	RC ( <cols>) *<ntimes> <nlines> <qlobal> <? > Repeat last change forward.</qlobal></nlines></ntimes></cols>
2-6	RCB ( <cols>) *<ntimes> <nlines> <global> <? > Repeat last change backward.</global></nlines></ntimes></cols>
2-68	SR <ncols> <nlines> Shift lines to the Right.</nlines></ncols>
2-76	TL <ncols> <nlines> Truncate columns on the left.</nlines></ncols>
2-76	TR <ncols> <nlines> Truncate columns on the right.</nlines></ncols>
2-6	UC ( <cols>) +<ntimes> <nlines> <global> <? ></global></nlines></ntimes></cols>
2-6	UCB ( <cols>) *<ntimes> <nlines> <global> <? > Undo last change backward.</global></nlines></ntimes></cols>
2-32	UNFOLD ( <cols>) <nlines> Change upper case letters to lower case.</nlines></cols>

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# \*\*\* Commands Which Operate in Hevadecimal \*\*\*

Page	Command and Description
2-53	PH <nlines> (<cols>) Print lines in hexadecimal.</cols></nlines>
2-53	PHE <nlines> (<cols>)</cols></nlines>

### \*\*\* File Manipulation Commands \*\*\*

Page		Command and Description
2-20	EDIT " <filename></filename>	<filekind>,<length>"</length></filekind>
		Edit a new workfile.
2-44	M (filename)	
	<pre>M <filename> <frc< pre=""></frc<></filename></pre>	
	M <filename> <fre< td=""><td>om&gt; : <nlines></nlines></td></fre<></filename>	om> : <nlines></nlines>
		Merge all (or part) of a file.
2-61	REC Krecovery num	iber>
		Edit a recovery file.
2-63	SAVE <filename></filename>	
		Save the workfile and terminate NETED.
2-65	SEQ <base/> + <inc< td=""><td>:r&gt;</td></inc<>	:r>
	SEQ ?	
		Define or interrogate base and increment for
		writing files.
2-74	TEMP Stemporary r	number>
		Edit a temporary file.
2-80	₩ <filename></filename>	
		Write entire workfile to file <filename>.</filename>
2-86	WDINS <filename></filename>	<pre><string test=""></string></pre>
		Write-to-a-file-and-delete lines through and
		not including the first line satisfying the
		<string test="">.</string>
2-83	WDL (nlines) (fil	lename>
		Write lines to a file and delete the lines.

Page	Command and Description
2-85	WOTOP <filename></filename>
2~86	WDTOS <pre>WDTOS <pre>Write-to-a-file-and-delete lines to: but not    including; the first line satisfying the    <string test="">.</string></pre></pre>
2-86	WINS <filename> <string test=""></string></filename>
2-84	WL <nlines> <filename> Write lines to a file.</filename></nlines>
2-85	WTOP <filename> Write lines from <top file="" of=""> to pointer.</top></filename>
2-86	WTOS <filename> <string test=""> Write to a file to, but not including, the first line satisfying the <string test="">.</string></string></filename>

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# \*\*\* Commands Which Terminate NETED \*\*\*

Page	Command and Description	
2-58	QUIT	Terminate NETED without saving the workfile.
2-63	SAVE <filename></filename>	Save the workfile and terminate NETFO.

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**5** .

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# Specialized Commands \*\*\*

Page	Command and Description	
2-22	ENTER ENTER (nsecs)	Input lines from an auxilliary storage device (such as a Techtran 9125 floppy disk on an Omron CRT).
2-71	STORE STORE <nlines></nlines>	Write lines to an auxilliary storage device (such as a Techtran 9125 floppy disk on an Omron CRT).

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\*\*\* Special listing commands \*\*\*

Page Command and Description

<<< possible future commands >>>

# Text/Word Processing Related Commands \*\*\*

Page		Command and rescription
2-11	CENTER <nlines></nlines>	Center lines within LM-RM margins.
2-14	COUNTS	List the workfile statistics.
2-37	IN <ncols></ncols>	Indent/undent from left margin.
2-11	LEFT <nlines></nlines>	Left-justify lines within LM-RM margins.
2-39	LEN <nlines> <io< td=""><td>ong&gt; List line lengths, optionally flagging long lines.</td></io<></nlines>	ong> List line lengths, optionally flagging long lines.
2~40	LM (lm) LM ?	Set the left margin for CENTER, LEFT, RIGHT, FILL, FILLJ.
2-42	LPL <page length<="" td=""><td>1&gt; List page lengths.</td></page>	1> List page lengths.
2-11	RIGHT <nlines></nlines>	Right-justify lines within LM-RM margins.
2-40	RM <rm> RM ?</rm>	Set the right margin for CENTER, LEFT, RIGHT,
		FILL. FILLJ.

# Miscellaneous Commands \*\*\*

Page		Command and Description
2-9	CANDE	Suspend NETED to execute CANDE commands.
2-34	H or HELP	Type a list of the current NETED commands.
2-41	LN	Type the line number of the current line.
2-52	PFN <filename> PFN ?</filename>	Change the name of the workfile.
2-69	STAB tabch table STAB tabch Chase STAB STAB ?	
2-12	STR	List the current string definitions.
2 <b>-</b> 75	11	Show the elapsed, process and I/O times and the process time remaining.
2 <b>-1</b> 9	VERSION	List the NETED compile date/time and recent modifications.
2-82		long form short form List the workfile attributes.
2-88	x <ncols></ncols>	Type a line of column markers.
2-92	% <string></string>	Type (string) at the terminal.

#### Appendix A

#### \*\*\* Executing NETED \*\*\*

To execute NETFD:

RUN \*NETFD (\*<filename>,<filekind>,<length>\*)

where

<filename> - the file to be edited. One of:

- an existing file

- a non-existent file (to create a new file)

- REC (recovery number)

(to re-edit and remove a recovery file)

- TEMP (temporary number)

(to re-edit and remove a temporary file)

If <filename> is preceded by a minus sign. '-', or a plus sign, '+', the short form of the initial NETED messages will be given. The '+' will also set MAXPROCTIME to 300 seconds. (See the EDIT command.)

> ALGOL OF A - Algol BASIC or BA - Rasic BINDER or BI - Binder CDATA or CD - Cdata CSEO or CS - Cseq COBOL or C - Cobol or DAS - Dasdi DASDL DATA or DA - Data DCALGOL or DC - Dealgol DMALGOL or DM - Dmalgol - Espol or ES ESPOL

FORTRAN or F - Fortran (fixed format)
FREE or FF - Fortran (free format)

JOR or J - Job
NDL - NdL
NEUP - Neup
PASCAL or P - Pasca

PASCAL or P - Pascal

(generates JOVIALSYMBOL until MCP supports PASCALSYMBOL)

PLI or PL ~ PL/I SEQ or SE ~ Seqdata (if omitted, FORTRAN is assumed for a new file)

#### Appendix B

### \*\*\* NETED Messages \*\*\*

Listed in this Appendix are all the NETFD messages, their causes and fixes (if appropriate) and the command or commands which issue the message. If a cause-and-fix is not listed, the message is either self-explanatory or is a message which should never occur unless there are NETED or system problems. A command is not listed if the message is general or may be caused by a great many commands.

Message	Cause and Fix	Command
Another pr	ogram has exclusive access to this file.	
	read illegal filekind ead from <filename></filename>	EDIT, NETED
AUTOBACKUP	already set.	AUTOBACKUP
AUTOBACKUP	set.	AUTOBACKUP
Backed up.	AUTOBACKUP was set and the existing <filename> was changed to BACKUP/<filename> before the new file was written.</filename></filename>	all write commands
base + inc	r = <base/> + <incr> Response from *SEQ ?*.</incr>	<b>9E0</b>
<bottom of<="" td=""><td>file&gt;</td><td></td></bottom>	file>	
Break-on-o	output. command aborted.  User pressed the <break> key to terminate printing.</break>	
87700 NETE	O (version)	header
Cannot add	to top-or bottom-of-file.  Self-explanatory. Move the pointer to a line in the workfile and re-issue the command.	A/AR, AL
Cannot cen	nter top- or bottom-of-file.  Self-explanatory. Move the pointer to a line in the workfile and re-issue the command.	CENTER

Message	Cause and Fix	Command
Cannot cop	y top- or bottom-of-file.	CO
	Gelf-explanatory. Move the pointer to	
	a line in the workfile and re-issue the command.	
Cannot dup	licate top- or bottom-of-file.	DUP
	Self-explanatory. Move the pointer to	
	a line in the workfile and re-issue the command.	
Cannot Lef	t-justify top- or bottom-of-file.	LEFT
	Self-explanatory. Move the pointer to	
	a line in the workfile and re-issue the command.	
Cannot mov	e top- or bottom-of-file.	MO
	Self-explanatory. Move the pointer to	
	a line in the workfile and re-issue the command.	
Cannot rep	lace top- of bottom-of-file.	R
	Self-explanatory.	
Cannot rig	ht-justify top- or bottom-of-file.	RIGHT
	Self-explanatory. Hove the pointer to	
	a line in the workfile and re-issue the	
	command.	
<b>Cexisting</b>	filename> changed to <new filename="">.</new>	all write
		commands
Column gre	ater than max. line length.	( <cols>)</cols>
Column ran	ge error.	( <cols>)</cols>
Column ran	ge less than text length.	( <cols>)</cols>
Column ran	ge syntax error.	S. SA. SB.
		SBA. XS.
		XSA. XSA.
		X SB A
Command ah	orted. User response to query was N or Q.	query mode
_	, ,	
Copy synta	x error. Self-explanatory.	CO
<b>A A</b> A	·	
currently-	defined strings: First line of output for STR command.	STR
	riest time of output for Str command.	

Disk write time limit error.

Message	Cause and Fix	Command
Deleted to botto	n •	D. WOL
Directives AREND	reset.	ABEND
Directives ABEND	set.	ABEND
DIRectives LIST	reset.	DIRLIST
DIRectives LIST	set.	DIRLIST
Directives STEP	reset.	STEP
Directives STEP	set.	STEP
∩1sk available e	rror - command aborted.	
Disk blacksize e	error - command aborted.	
Disk filekind er	ror - command aborted.	
Disk filetype er	ror - command aborted.	
Disk maxrecsize	error - command aborted.	
Disk minrecsize	error - command aborted.	
Disk open error	- command aborted.	
Disk present err	or - command aborted.	
Disk read data/f	ormat error.	
Disk read parity	error.	
Disk read securi	ity error.	
Oisk read time t	imit error.	
Disk resident er	ror - command aborted.	
Disk security gu	ard error - command aborted.	
Disk security ty	pe error - command aborted.	
Disk security us	se error - command aborted.	
Disk write data/	format error.	
Oisk write parit	y error.	
Disk write secur	ity error.	

Message	Cause and Tix	Command
either a new or NETED aba	ror while creating the Workfile Workfile must be established ndoned. Please enter: ame>, <filekind>,<length>*  The status of the workfile is undefined at this point. In order to continue, a new file must be edited. All other</length></filekind>	EDIT
Edit.	commands will be ignored.	•• ENTER
	NETED is now in Edit mode. All NETED commay be entered.	mmands
End of file	encountered.	
Enter valid	EDIT, or QUIT command.  An EDIT command or RUN statement with invalid syntax has been encountered. Since the workfile has been reset, only a valid EDIT, or QUIT command will be accepted.	EOIT
EOF encounte	red on disk read.	
EOF encounte	red on disk write.	
merg	of file encountered while skipping to first line, d from <filename>.</filename>	st
Error in opt	ional parameters.	C
Error - tabs	must be in ascending order.	
Escape chara	cter error. <esc> may only be followed by <esc>, 0, 1 2, 3, 4.</esc></esc>	All string 1, commands
>ET= <et> PT</et>	= <pt> 10=&lt;10&gt;</pt>	GUIT, SAVE, Ti
File assignm	ent denied.	
File assignm	ent postponed.	

Message	Cause and Fix	Command
File exists,	rename old version or <cr> A file already exists with the <filename> you are trying to use.    Enter one of: - <cr> - <cr> - to replace the existing file   - a new <filename> to be used to rename the exisginf file before writing the new file   (or any invalid <filename>) to terminate the command.</filename></filename></cr></cr></filename></cr>	all write commands
Filekind not	supported by NETED.	EDIT.NETED
File not pre	sent.	
Filename req	uired.	M, all writes
File squishe	d. *:S* option was specified on a write.	all write commands
File title e	rror - command aborted.	
File too big	• The file being edited/merged has too many lines for NETED. Break up the file or use the CANDE EDITOR.	EDIT. M. NETED
Getstatus er	rer # <n> Written to CONSOL and TASKFILE. Please forward this printout, and a description of what you were doing, to User Services.</n>	
Illegal argu	ment.	CANDE: D: K: KL: KR: SR: TL: TR: REC: TEMP
Illegal file	use.	
Illegal opti	onal parameter.	c
Illegal para	met <i>er•</i>	S+ SA+ SB+ SBA+ XS+ XSA+ XSB+ XSBA

Invatid number.

Message	^ause and hix	Command
Individual	HELP not available for <command/> Self-explanatory. Use HELP 13 for a list of commands having individual HELPs.	HELP
Input.	NETED is reading from an external storage device. NETED will return to Edit mode after a 'stop read' has been read or there is no input for 5 seconds.	ENTER
Input.	NETED is now in Input mode. The only NETED command recognized is *.*.	•
Input caps	lock reset.	CAPS
Input caps	lock set.	CAPS
Input file	maxrecsize too big for filekind.	EDIT. NETED
Input filek COATA tr= <n< td=""><td>ind is <filekind>, interpreted as &gt; <m> lines Input filekind is not recognized by NETED. Since UNITS=CHARACTERS, CDATA is used.</m></filekind></td><td>EDIT, RUN</td></n<>	ind is <filekind>, interpreted as &gt; <m> lines Input filekind is not recognized by NETED. Since UNITS=CHARACTERS, CDATA is used.</m></filekind>	EDIT, RUN
Input filek	ind is <filekind>. interpreted as <m> lines Input filekind is not recognized by NETED. Since UNITS=WORDS. DATA is used.</m></filekind>	EDIT, RUN
Invalid DES	TNAME.	DESTNAME
Invalid - m	ust be >= left margin ( <lm>).</lm>	RM
Invalid - m	ust be <= maximum line length ( <length>).</length>	RM
Invalid - m	ust be <= right margin ( <rm>).</rm>	LM
Invalid - m	ust be positive.	LN. RM
Invalid file	ekind: <text></text>	EDIT.NETED
Invalid - n	o old string in buffer.	S. SA. SB. SBA. XS. XSA. XSB. XSBA
Invalid - n	o old tabs.	STAB

Message	Cause and Fix	Command
Y - Accept line C - Accept line	e, continue command without ? ept line, continue with command	c
Invalid respons Y or C - Contin N or Q - Abort.	·, - ·	xINS. xTOS F/L/S/XS/ etc.
Invalid respons Y or C - Contin N or N - Abort		VERSION
Invalid toggle: <	(name)	POP. Reset. Set
Invalid - too lor	ng.	IN
Invalid - too sma	all.	IN
Invalid translate	e table #.	TRANS
	<pre><descriptor hex="" in=""> tten to TASKFILE.</descriptor></pre>	
I/O error - Inval subsystem.	lid # of characters returned by I/O	
Writ form of m	tten to CONSOL and TASKFILE. Please ward this printout, and a description what you were doing, to User wices.	1
Line <n></n>		LN
Line duplicated <	(n) times.	DUP
<pre><n> Lines, <m> ch Shortest=<s> ,lon</s></m></n></pre>		COUNTS
<n> lines copied,</n>	inserted after line <m>.</m>	CO
<n> lines copied,</n>	inserted after <top file="" of=""></top>	co
<n> lines copied.</n>	inserted at <rottom file="" of=""></rottom>	co
<n> lines deleted</n>	i.	DINS. DTOS

Messalle	Cause and "fx	Command
<n> lines moved. inser</n>	ted after line <m>.</m>	MO
<n> tines moved, inser</n>	rted after line <m> (undated).</m>	MO
<n> lines moved. inser</n>	rted after (Top of file)	MO
<pre><n> Lines moved, inser </n></pre>	rted at <4ottom of file>	MO
<n> lines read from &lt;</n>	filename>.	EDIT. M. NETED
(n) lines stored.		STORE
<n> lines truncated.</n>		ENTER
<n> Lines written to</n>	(filename).	all write commands
Line too long to cento	er. s not fit in within [LM-RM].	CENTER
Line too long to left Line doe	-justify. s not fit in within [LM-RM].	LEFT
Line too long to righ Line doe	t-justify. s not fit in within [LM-RM].	PIGHT
Maximum line length =	<length></length>	EDIT.NETED tong form
Max. line length for	CDATA is 255.	FDIT.NETED
Max. Line Length for	CSEQUATA is 246.	EDIT.NETED
Max. Line Length for	DATA is 252.	EDIT.NETED
Merge range error. An inval Re-enter Line ran	id line range was specified. the command with a valid ge.	M
More?		VERSION
Move syntax error.		MO

Message	Cause and Fix	Command
Must specify c		S+ SA+ SB+ SBA+ XS+ XSA+ XSB+ XBSA
Must supply a	valid F. L. S. or XS command.	xINS, xTOS
Must supply at	least <filename></filename>	EDIT
Must supply <f f,="" l.="" or<="" s.="" td=""><td>ilename&gt; followed by a valid XS command.</td><td></td></f>	ilename> followed by a valid XS command.	
Must supply to	gales	POP+ Reset+ set
NETEG fault # <stack history<="" td=""><td></td><td></td></stack>		
w f o	ritten to CONSOL and TASKFILE. Please orward this printout, and a description f what you were doing, to User ervices.	
F •	file(s) present: irst line of message listing ecovery files. Use 'REC <n>' to dit a recovery file.</n>	EDIT, REC, TEMP
NETED suspende To resume - ?	d for <n> minutes (suicide at <hh:mm>!).</hh:mm></n>	CANDE
Y	ou are back under CANDE and any CANDE ommands may be entered. Unless NETED s re-awakened before the specified time, t will commit suicide.	
F	y file(s) present: irst line of message listing emporary files. Use 'TEMP <n>' to dit a temporary file.</n>	EDITO RECO
NETED Sversion	> commands:	HELP. H
NETED Version	<pre><version>, compiled on <date> 8 <time></time></date></version></pre>	VERSION VER
No available to	ape drive.	
NOBACKUP atrea	dy set.	NOBACKUP
NOBACKUP set.		NORACKUP

Message	Cause and Fix	Command
No last com	· · · · · · ·	Ŧ
	There is no command to repeat.	
No lines ab	ove pointer.	DTOP. WDTOP. WTOP
No lines de	leted.	WDINS, WDL, WDTOP, WDTOS
No old Scan	columns.	S. SA.SB. SBA. XS. XSA. XSB. XSBA
No old text	in auffer.	A/AR . AL
No tabs set	•	STAB
Not a NETFD	command: <text> NETED could not decipher <text> as a walid command.</text></text>	
Not found.		
Nothing cha	nged.	C. RC. UC
Old version	retained as = <filename>.</filename>	all write commands
Option synt	ax error.	commands with options
	nds remain - please save Workfile. There may not be enough time left to do much more than save the workfile. To so and re-execute NETFD, perhaps with a higher MAXPROCTIME.	
Query reset	•	Q
Query set.		9
Range overl	ap error, no lines moved.	MO
Recovery fi	le created, title= <filename>. Written to terminal and TASKFILE.</filename>	

Message	Cause and Fix	Command
Requested	line Length too big for thie filekind - ignored. Self-explanatory.	EDIT.NETED
ecovery f	ite removed.	EDIT, NETED REC
Required di	isk pack not mounted.	
>Remaining	PT= <pt>. Line 2 of TI output. Also printed when remaining time is getting low.</pt>	
>RUNNING <	nixno>	header
Security gu	uard file info Lost. Written to terminal and TASKFILE.	
Security v	iolation.	
SEQ syntax	error.	SEQ
Sequence ni	umbers not valid for this filekind. Sequence number may not be specified for BASIC. CDATA or DATA files.	SEQ
Show Line r	numbers reset.	#
Show line r	numbers set.	Ħ
Slow print	ing reset.	SLON
Slow print	ing set.	SLOW
STAB syntax	error.	STAB
Suspended (	time limit exceeded.  Written to TASKFILE when the NETED suspension time has elapsed and the user is busy or disconnected.	CANDE
Syntax erro	or.	
fab charact	ter = <tabch> tab stops = <tabs></tabs></tabch>	STAR EDIT•NETED Long form
Tab charact	ter changed.	STAB

Messane	Cause and Ftx	Command
Tabs off.		STAM
Tabs restor	ed.	STAB
Terminal wi	dth = nnn Self-explanatory.	PHWIDTH
Terminal wi	dth must be > 0. Self-explanatory.	PHWIDTH
Temporary f	ile removed.	EDIT.NETED TEMP
The followi	ng lines were not centered: rs> Self-explanatory.	CENTER
The following cline number	ng lines were not left-justified:	LEFT
The following cline number	ng lines were not right-justified: rs> Self-explanatory.	RIGHT
Timelimit e	xceeded.	
Toggle pref	ix error. Something is wrong in the toggle prefix of the last command entered.	
Too many op	tions ( <n> max) Self-explanatory.</n>	commands with options
<top fil<="" of="" td=""><td>e&gt; Indicated the pointer is at the top of the file.</td><td></td></top>	e> Indicated the pointer is at the top of the file.	
Translate t	able menu: First line of output for *TRANS ?*.	TRANS
<text> trun</text>	cated. The line just entered or read was too long for the maximum line length.	A/AR, AL, C, I, input mode
TTY data/fo	rmat error - command aborted.	

TTY I/O parity error - command aborted.

Message	Cause and Fix	Command		
TTY Output t	ranslation = FBCDIC to ASCII. Indicates that all lines will be typed as is, except the EOT character.	TRANS		
TTY Output t	ranslation = non-graphic to blank. Indicates that all lines will be typed with non-printing characters changed to blanks.	TRANS		
TTY Output t	ranslation = non-graphic to ?. Indicates that all lines will be typed with non-printing characters changed to question mark *?*.	TRANS		
Unknown disk	error. attribute # <n> - command aborted.</n>			
Unknown disk	read error.			
Unknown disk	write error.			
Unknown file-available error.				
Unknown TTY	I/O error.			
Unmatched de	limiters.	C+ EDIT		
Unmatched geneology.				
Unmatched SE	RTALNO.			
Verify reset	•	V		
Verify set.		V		
Warning - re for this fil	EDIT+NETED			
Warning - wo	rkfile and input filekinds differ.	EDIT.NETED		
Warning - wo	rkfile and input maxrecsizes differ.	EDIT.NETED		

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Message Cause and Fix Command

workfile full.

CO, DUP

NETED supports only a finite number of lines, dependent upon the maximum line length. This limit has been reached. To add more lines, either delete some lines first or break up the workfile into 2 or more parts and edit each part separately.

Workfile not saved.

EDIT. QUIT

><mixno> (<version>) header

Part of the short form of the NETED prologue.

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